L111035003/McHenry County
Catty H. D. Corporation
ILD 180012585

CERCLA
Screening Site Inspection Report

Illinois Environmental Protection Agency
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1. INTRODUCTION

On February 13, 1990, the Illinois Environmental Protection Agency's (IEPA's) Pre-Remedial Unit was tasked by the United States Environmental Protection Agency (USEPA) to conduct a screening site inspection (SSI) of Catty H.D. Corporation, hereafter, referred to as Catty.

IEPA initially discovered the facility in October, 1987, after finding soil contamination of alkanes, aromatics and polynuclear aromatic hydrocarbons (PNA's) between Catty's drum storage area and the village of Huntley's public well #4. Subsequently, Catty was added to CERCLIS (Comprehensive Environmental Response, Compensation and Liability Information System) by the USEPA in April of 1988. The facility was evaluated in the form of a Preliminary Assessment (PA) that was completed by Timothy Murphy of IEPA and submitted to USEPA in June of 1989. IEPA's Pre-Remedial Unit prepared a SSI work plan for Catty that was approved by USEPA in early April, 1990. The SSI was conducted on April 25, 1990 with the collection of two groundwater and six soil samples.

The purposes of an SSI have been stated by USEPA in a directive outlining Pre-Remedial program strategies. The directive states:

> All sites will receive a screening SI to 1) collect additional data beyond the PA to enable a more refined preliminary HRS [Hazard Ranking System] score, 2) establish priorities among sites most likely to qualify for the NPL

> [National Priorities List], and 3) identify the most critical data requirements for the listing SI step. A screening SI will not have rigorous data quality objectives (DQOs). Based on the refined preliminary HRS score and other technical judgement factors, the site will then either be designated as NFRAP [no further remedial action planned], or carried forward as an NPL listing candidate. A listing SI will not automatically be done on these site, however. First, they will go through a management evaluation to determine whether they can be addressed by another authority such as RCRA [Resource Conservation and Recovery Act]... Sites that are designated NFRAP or deferred to other statutes are not candidates for a listing SI.
>
> The listing SI will address all the data requirements of the revised HRS using field screening and NPL level DQOs. It may also provide needed data in a format to support remedial investigation work plan development. Only sites that appear to score high enough for listing and that have not been deferred by another authority will receive a listing SI (USEPA 1988).

USEPA Region V has also instructed IEPA to identify sites during the SSI that may require removal action to remediate an immediate human health and/or environmental threat.

2. SITE BACKGROUND

2.1 INTRODUCTION

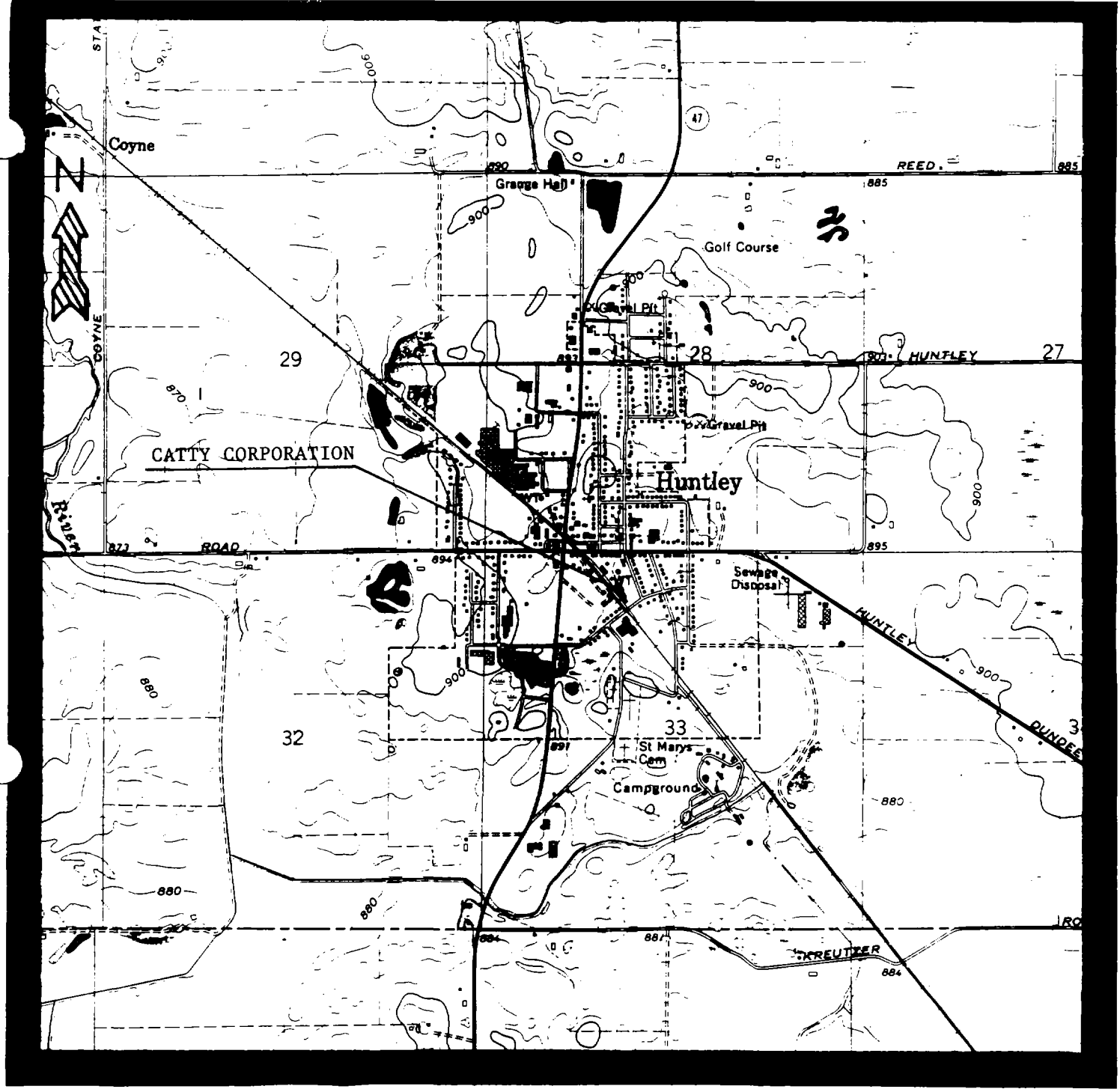
This section includes information obtained from the SSI work plan preparation.

2.2 SITE DESCRIPTION

Catty is located in the northwest 1/4 of Section 33, Township 43 north, Range 7 east, of the Third Principle Meridian in McHenry County, IL. Catty has the street address of 11117 South Church Street, Huntley, IL 60142. This address is in the south central part of the village of Huntley (see Figure 2-1 for site location).

The facility prints flexible labels and packaging for various uses. Catty utilizes foil, paper and some cellophane and makes laminations with wax and water base adhesives. Catty mainly supplies foil wrappings to the food industry (such as Andes Candy in WI).

The facility consists of 2.128 acres of land with several structures. The main building is a continuance of 5 brick buildings, the southern 3 having been built in 1870 and the northern 2 constructed in 1940. The total area of the main building, including the manufacturing areas, loading docks and offices, is 31,365 square feet. Located in the northwest corner of the property, is a 2,400 square feet metal building that serves as Catty's warehouse. A covered drum storage pad east of the metal warehouse, is used to store raw materials consisting mainly of solvent based inks.



Source: USGS 7.5 Min. Topo Maps - Huntley, IL Quadrangle (27B)

Figure 2-1

SITE LOCATION

The 20 feet by 20 feet brick well house on the south end of the property, is used by Catty to store drummed hazardous waste. The 67 feet 6 inch deep well inside the well house, was sealed June 23, 1988.

Catty is bordered by South Church Street and residential properties on the east, village property and Illinois Bell property on the north, Mill Street and Dean Foods to the south, and Chicago and North Western R.R. to the west. Figure 2-2 on page 2-4 shows the site features. A 4-mile radius map surrounding Catty is provided in Appendix A.

A review of Catty's Material Data Safety Sheets (MSDS) revealed the following chemicals which have been used by the facility:

Table 2-1 Chemicals Used in Production

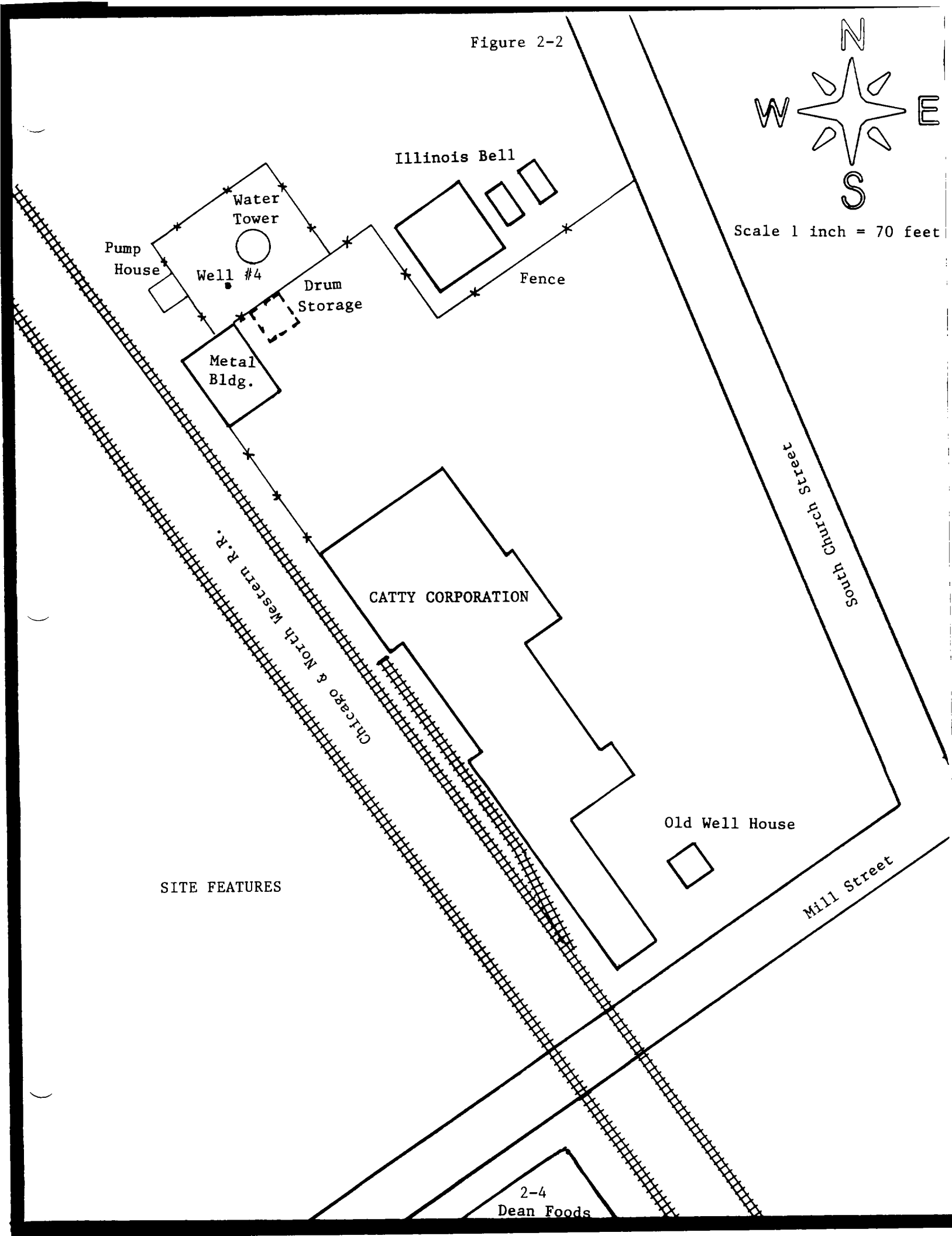
methyl isobutyl ketone	methyl ethyl ketone (MEK)
toluene	isopropyl acetate
ethyl alcohol	isopropyl alcohol
methyl alcohol	n-propyl acetate
naphtha	ethyl acetate
2-ethoxyethanol	n-propyl alcohol
dimethyl ketone	

Wastes generated by the facility consist of waste inks mixed with ethyl alcohol, n-propyl alcohol, ethyl acetate and MEK, which are used as thinning agents. The wastes are a blend of F003, F005, and D001 substances and are generated at a rate of approximately 5 drums per month. The wastes are usually shipped every 3 months (less than 90 day storage) to EWR in Coal City, IL for incineration.

2.3 SITE HISTORY

The facility was first used as a dairy and creamery.

Figure 2-2


N
W
E
S
Scale 1 inch = 70 feet
Illinois Bell
Water Tower
Pump House
Well #4
Drum Storage
Fence
Metal Bldg.
CATTY CORPORATION
South Church Street
Chicago & North Western R.R.
Old Well House
Mill Street
SITE FEATURES
2-4
Dean Foods

Sometime between the years of 1907 and 1946, the property was reverted to a brewery and then to a manufacturer of gaskets by Fencl. In 1946, the facility started printing flexible packaging materials and has continued these operations ever since. The legal owners of Catty have been and are as follows:

Table 2-2 Site Ownership

? - 1946	Fencl
1946 - 1964	the Catty family
1964 - 10/17/1983	the Krug family
10/17/1983 - 05/02/1986	International Foils, Inc.
05/02/1986 - 12/31/1986	Rostra Holdings, Inc. (Ohio)
12/31/1986 - 02/10/1987	Rust Ventures L.P. Walter Rose John Strautnieks Joseph Aragona William McCuster
02/10/1987 - Present	Catty Corporation Raymond G. Scott

North of Catty's drum storage area, village workers were trenching a line to repair a broken valve for well #4 (10/08/87), when they discovered soil contamination. Strong solvent odors and soil discoloration were observed within 15 feet of Catty's property. Sampling revealed 13 volatile compounds in the range of 2.4 to 13.2 ug/g (ppm). At the time of the trenching, Catty's drum storage area consisted of a wooden planked floor and included storage for the drums that contained the facility's waste streams. Spills and overturned drums were photographed by village workers during this time. Later, in May of 1988, soil gas readings were obtained which showed the greatest contamination nearest the fence next to the drum storage area. A sample collected at

this spot from one foot above the water table (6 feet water table) showed 6 PNA's in the range of 7.6 to 133 ug/g.

3. SCREENING SITE INSPECTION PROCEDURES AND FIELD OBSERVATIONS

3.1 INTRODUCTION

This section outlines procedures and observations of the SSI at Catty. Individual subsections address the site representative interview, reconnaissance inspection and sampling procedures. The SSI was conducted in accordance with the USEPA-approved work plan.

The USEPA Potential Hazardous Waste Site Inspection Report (Form 2070-13) for Catty is located in Appendix B.

3.2 SITE REPRESENTATIVE INTERVIEW

Facility representatives for Catty included President and owner Raymond Scott and Purchasing Agent Gene Konaszewski, who has worked there 23 years. The interview took place during the reconnaissance inspection that was conducted on April 4, 1990. The discussions centered on the IEPA's Pre-Remedial process, the possible sample locations and the history of the facility.

3.3 RECONNAISSANCE INSPECTION

After the interview, IEPA personnel conducted a reconnaissance inspection of Catty and the surrounding area. The inspection included a walk around Catty to identify potential sampling locations, measure and identify appropriate health and safety requirements. Village employees were also contacted to secure groundwater sampling points, well #4 and well #6.

Reconnaissance Inspection Observations. The drum

storage pad that had been installed in November of 1987, appeared in sound condition. Spills and staining around the outside edge of the pad was not evidenced by IEPA personnel.

3.4 SAMPLING PROCEDURES

Samples were collected by IEPA personnel following procedures outlined in IEPA's Pre-Remedial Quality Assurance Project Plan and Standard Operating Procedures (QAPP and SOP's are approved and on file with the USEPA). The samples were collected to determine levels of USEPA Target Compound List (TCL) compounds present at the site. The TCL is provided in Appendix C.

Groundwater Sampling Procedures. On April 25, 1990 IEPA personnel collected two groundwater samples. Figure 3-1 on page 3-3 shows the 2 public well sample locations. G501 was obtained from the nearby Huntley well #4 and G502 was taken as background from Huntley well #6, nine tenths of a mile south of the site. Well logs for both wells are included in Appendix E.

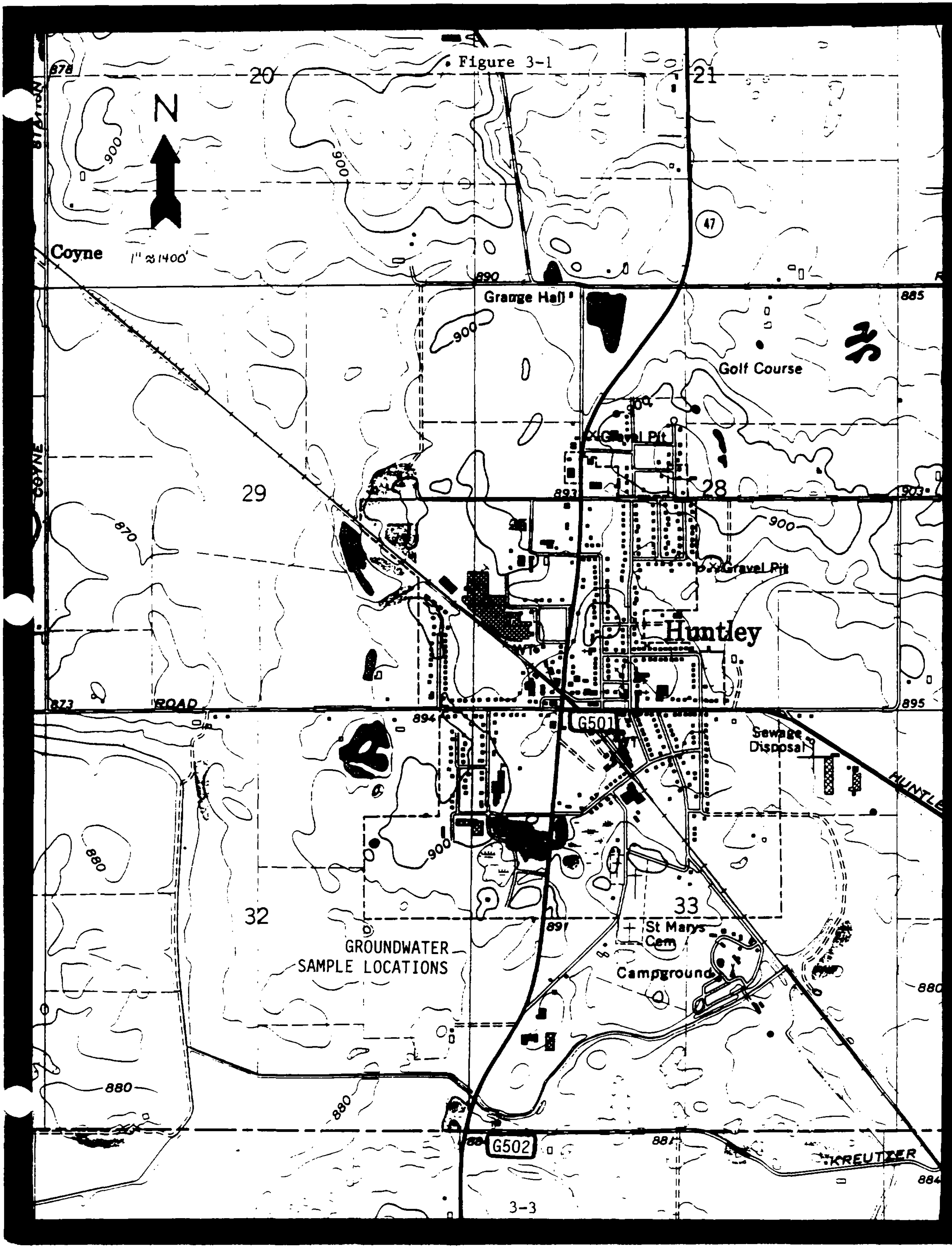
Table 3-1 Location of Sampled Public Wells

Sample	Depth	Aquifer	Location	Time
G501	63'	S+G	Well #4, 20' SW of water tower	1:00p
G502	154'	S+G	Well #6, N side of Kreutzer Rd. E of Rt. 47	1:50p

N - north, E - east, W - west, S - south, S+G - sand and gravel, and ' - feet

Sample G501 was obtained from a raw faucet tap inside the #4 pump house after letting the well pump 30 minutes at a rate of 285 gallons per minute. Well #6 had been pumping

Figure 3-1


N
1" ≈ 1400'
Coyne
COYNE
20
21
28
29
32
33
Grange Hall
Golf Course
Gravel Pit
Gravel Pit
Huntley
ROAD
G501
G502
47
Sewage Disposal
HUNTLEY
St Marys Cem
Campground
GROUNDWATER SAMPLE LOCATIONS
KREUTZER
900
870
880
890
893
894
891
885
895
903
873
878
884

throughout the day and did not need to be purged. The sample G502, was also collected via raw facet tap from inside the #6 well house. Neither sample was field filtered for metals.

Soil Sampling Procedures. During the SSI, IEPA personnel also collected six soil samples. Figure 3-2 on page 3-5 shows the six soil sample locations. An off-site soil sample, X107, was collected as a background sample to compare with the on-site soil samples.

Table 3-2 Soil Sampling Locations

Sample	Depth	Location	Time
X101	3.0-4.0'	Center of N side of Drum Pad	5:00p
X102	4.0-6.0'	Center of E side of Drum Pad	3:30p
X103	3.0-3.5'	Center of S side of Drum Pad angled to get under Pad	2:50p
X104	4.0-5.0'	Center of W side of Drum Pad	4:15p
X105	3.5-4.5'	20' S of Metal Bldg 6' E of fence	5:30p
X106	2.5' auger refusal	Did not collect sample on N side of Brick Bldg.	----
X107	4.0-5.0'	24' E & 3' N of utility pole 2' E of Rd.	12:30p

The soil samples were collected with stainless steel bucket augers. The soil was transferred directly into the sample jars from the sampling device. The soil and groundwater sample jars were evidence taped and packaged in accordance with USEPA required procedures. The IEPA samples were analyzed for the TCL by IEPA's Springfield lab (organic analysis) and IEPA's Champaign lab (inorganic analysis). Photographs for the Catty SSI are provided in Appendix D.

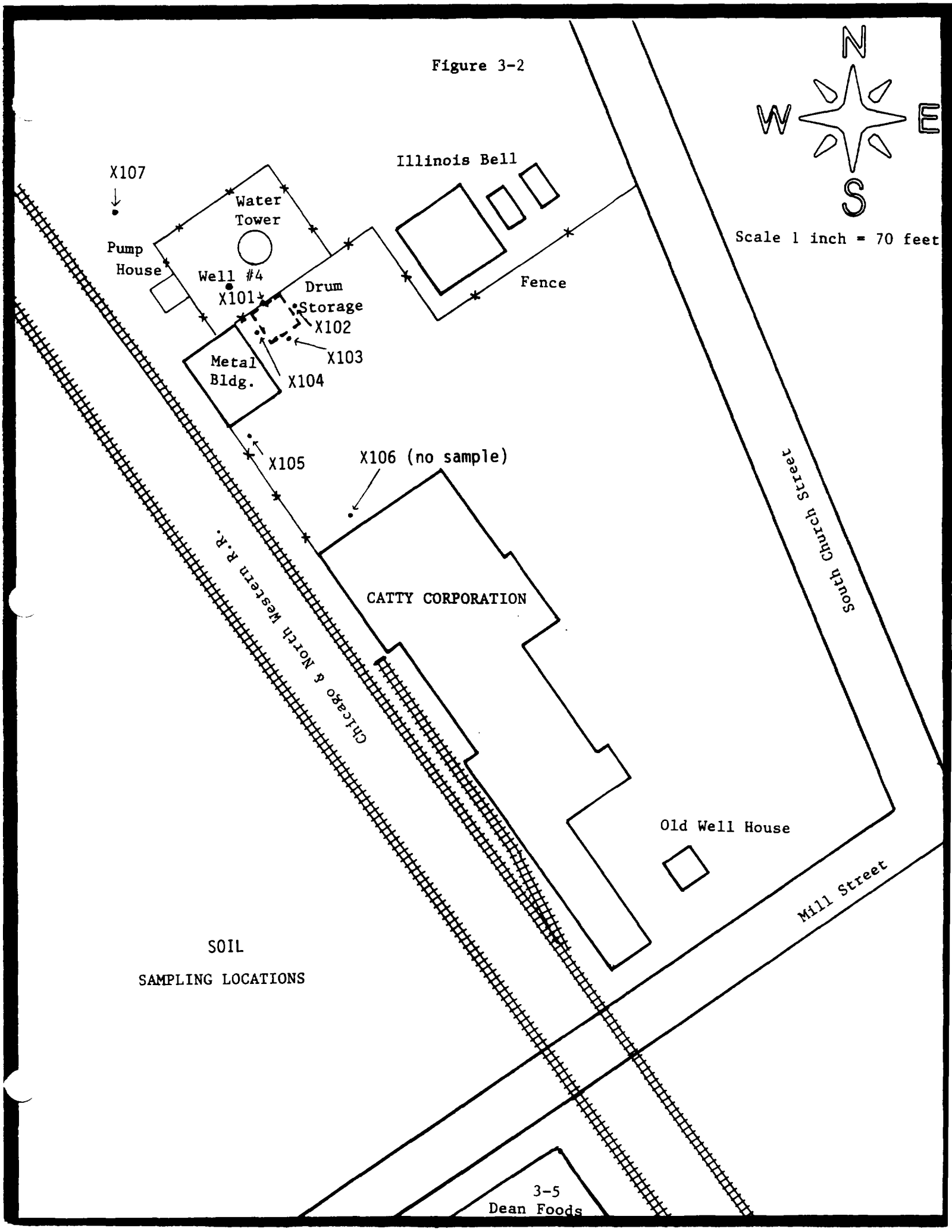


Figure 3-2
N
W
E
S
Scale 1 inch = 70 feet
X107
Water Tower
Pump House
Well #4
X101
Drum Storage
X102
X103
Metal Bldg.
X104
X105
X106 (no sample)
Illinois Bell
Fence
CATTY CORPORATION
South Church Street
Chicago & North Western R.R.
Old Well House
Mill Street
SOIL
SAMPLING LOCATIONS
3-5
Dean Foods

Decontamination Procedures. Standard IEPA decontamination procedures were followed prior to the collection of all samples. The procedures included the scrubbing of all equipment (augers, spoons, pans, etc.) with a non-foaming Trisodium Phosphate solution, rinsing with hot tap water, rinsing with acetone, rinsing with hot tap water again and final rinsed with distilled water. All equipment is air dried, then wrapped and stored in heavy duty aluminum foil for transport to the field. Field decontamination procedures include all of the above except the hot tap water rinse.

4. ANALYTICAL RESULTS

4.1 INTRODUCTION

This section includes the analytical results of Target Compound List compounds from IEPA collected samples at Catty.

4.2 ANALYTICAL RESULTS FROM IEPA COLLECTED SAMPLES

Chemical analysis of the 2 groundwater samples collected by IEPA personnel revealed the following substances: inorganics and common groundwater constituents. Analysis of 6 soil samples collected by IEPA personnel revealed the following substances: volatiles, inorganics, common laboratory artifacts and common soil constituents (see Table 4-1 for the summary of groundwater and soil results). Complete laboratory analytical data for the groundwater and soil samples are provided in Appendix F.

The groundwater samples did not appear to be effected by the contamination found in the soil. Well #4 (G501) had low levels of sulfates (below Proposed Maximum Contaminant Levels) and well #6 had 201 ug/l (ppb) arsenic.

In the soil samples, the highest concentrations of contaminants were detected in samples X101 and X102 on the north and east sides of the pad respectively. Three polynuclear aromatic hydrocarbons (PNA's) were detected in X101, along with bis(2-ethylhexyl)phthalate. The phthalate was also found in two other on-site samples, the highest concentration being found in X103 at 1400 ug/kg (ppb). The PNA, pentachlorophenol (PCP), appeared as the highest

concentration of any semi-volatile contaminant found. PCP at 5600 ug/kg was detected only in sample X101.

Volatiles were also found in all of the on-site soil samples. The highest concentration of a volatile was xylene at 5800 ug/kg in sample X101. Xylene was found in every one of the on-site soil samples. Ethylbenzene was found in four of the on-site samples in a range of an estimated value of 2 ug/kg to 280 ug/kg. Toluene was found above background in X101 and X102. X102 also had several compounds not found in the other samples including trichloroethene estimated at 6 ug/kg, 2-hexanone at 10 ug/kg, carbon disulfide estimated at 1 ug/kg and 1,1-dichloroethane estimated at 0.5 ug/kg.

CATTY CORPORATION
ILD 180012585

TABLE 4-1

SAMPLING POINT	G501		G502		X101		X102		X103		X104		X105		X107	
PARAMETER	4-25-90		4-25-90		4-25-90		4-25-90		4-25-90		4-25-90		4-25-90		4-25-90	
VOLATILES (ppb)																
Acetone	--		--		--		470	E	--		110		70		--	
Carbon Disulfide	--		--		--		1	J	--		--		--		--	
1,1-Dichloroethane	--		--		--		0.5	J	--		--		--		--	
2-Butanone (MEK)	10	R	10	R	1300	R	120	R	12	R	11	R	12	R	11	R
Trichloroethene	--		--		--		6	J	--		--		--		--	
2-Hexanone	--		--		--		10		--		--		--		--	
Toluene	--		--		140	J	9		--		--		0.4	J	0.3	J
Ethylbenzene	--		--		280	J	11		8		2	J	--		--	
Xylene(total)	--		--		5800		140		230		8		1	J	--	
SEMIVOLATILES (ppb)																
Naphthalene	--		--		1100		--		--		--		--		--	
2-Methylnaphthalene	--		--		1600		--		--		--		--		--	
Pentachlorophenol	--		--		5600		--		--		--		--		--	
bis(2-Ethylhexyl)phthalate	--		--		190	J	400	J	1400		--		--		--	
INORGANICS (water-ppb, soil-ppm)																
Aluminum	--		--		8260		5590		5240		9400		7800		4700	
Antimony	--		--		0.9	B	--		--		--		--		--	
Arsenic	1.0	B	12		12		2.1		4.7		2.1		2.1	B	2.8	
Barium	--		201		107		49		46		78		71		27	B
Beryllium	--		--		0.8	B	0.5	B	0.4	B	0.8	B	0.6	B	0.4	B
Cadmium	--		--		0.9	B	--		0.5	B	--		--		--	
Calcium	128000.0		69500		12600		19000		51800		2300		10400		90200	
Chromium	--		--		13		9.1		11		13		13		9.1	
Cobalt	--		--		6.1	B	4.4	B	3.8	B	4		6	B	2.8	B
Copper	2.6	B	--		35		127		12		17		16		11	
Iron	1980		2300		12700		10600		12500		14200		17500		9300	
Lead	2	B	--		118		20		6.0		36		4.5		4.3	
Magnesium	57900		39000		6440		11200		31100		4500		7900		29200	
Manganese	80		18		260		210		410		155		490		178	
Mercury	--		--		0.4		--		--		0.11		--		--	
Nickel	--		--		15		9.5		11		12		17		8.7	
Potassium	2310	B	--		--		--		--		--		--		--	
Selenium	--		--		--		0.3	B	--		--		--		--	
Silver	--		--		--		--		--		--		--		--	
Sodium	12700		11000		99	B	36	B	46	B	72	B	38	B	33	B
Thallium	--		--		0.2	B	0.1	B	0.1	B	0.3	B	0.3	B	0.2	B
Vanadium	--		--		20		19		18		23		22		13	
Zinc	--		--		330		33		23		61		34		72	
Cyanide	--		--		--		--		--		--		--		--	
Sulfate	145000.0		--		--		--		--		--		--		--	
Sulfide	--		--		--		--		--		--		--		--	
TEMPERATURE	49.5															
SP. COND.(umhos)	960															
PH	meter broke															

U.S.E.P.A. DEFINED DATA QUALIFIERS

QUALIFIER	DEFINITION ORGANICS	DEFINITION INORGANICS
• U	Compound was tested for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture. For soil samples subjected to GPC clean-up procedures, the CRQL is also multiplied by two, to account for the fact that only half of the extract is recovered.	Analyte was analyzed for but not detected.
• J	Estimated value. Used when estimating a concentration for tentatively identified compounds (TICs) where a 1:1 response is assumed or when the mass spectral data indicate the presence of a compound that meets the identification criteria and the result is less than the sample quantitation limit but greater than zero. Used in data validation when the quality control data indicate that a value may not be accurate.	Estimated value. Used in data validation when the quality control data indicate that a value may not be accurate.
• C	This flag applies to pesticide results where the identification is confirmed by GC/MS.	Method qualifier indicates analysis by the Manual Spectrophotometric method.
• B	Analyte was found in the associated blank as well as in the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action	The reported value is less than the CRDL but greater than the instrument detection limit (IDL).
• D	Identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and all concentration values are flagged with the "D" flag.	not used

QUALIFIER	DEFINITION ORGANICS	DEFINITION INORGANICS
• E	Identifies compounds whose concentrations exceed the calibration range for that specific analysis. All extracts containing compounds exceeding the calibration range must be diluted and analyzed again. If the dilution of the extract causes any compounds identified in the first analysis to be below the calibration range in the second analysis, then the results of both analyses must be reported on separate Forms I. The Form I for the diluted sample must have the "DL" suffix appended to the sample number.	The reported value is estimated because of the presence of interference
• A	This flag indicates that a TIC is a suspected aldol concentration product formed by the reaction of the solvents used to process the sample in the laboratory.	Method qualifier indicates analysis by Flame Atomic Absorption (AA).
• M	not used	Duplicate injection (a QC parameter) not met.
• N	not used	Spiked sample (a QC parameter) recovery not within control limits.
• S	not used	The reported value was determined by the Method of Standard Additions (MSA).
• W	not used	Post digestion spike for Furnace AA analysis (a QC parameter) is out of control limits of 85% to 115% recovery, while sample absorbance is less than 50% of spike absorbance.
• *	not used	Duplicate analysis (a QC parameter) not within control limits.
• +	not used	Correlation coefficient for MSA (a QC parameter) is less than 0.995.

QUALIFIER	DEFINITION ORGANICS	DEFINITION INORGANICS
• P	not used	Method qualifier indicates analysis by ICP (Inductively Coupled Plasma) Spectroscopy.
• CV	not used	Method qualifier indicates analysis by Cold Vapor AA.
• AV	not used	Method qualifier indicates analysis by Automated Cold Vapor AA
• AS	not used	Method qualifier indicates analysis by Semi-Automated Cold Spectrophotometry.
• T	not used	Method qualifier indicates Titrimetric analysis.
• NR	The analyte was not required to be analyzed.	The analyte was not required to be analyzed.
• R	Rejected data. The QC parameters indicate that the data is not usable for any purpose.	Rejected data. The QC parameters indicate that the data is not usable for any purpose.

5. DISCUSSION OF MIGRATION PATHWAYS

5.1 INTRODUCTION

This section discusses data and information that apply to potential migration pathways and targets of TCL compounds that may be attributable to Catty.

The four migration pathways of concern are groundwater, surface water, air and on-site exposure.

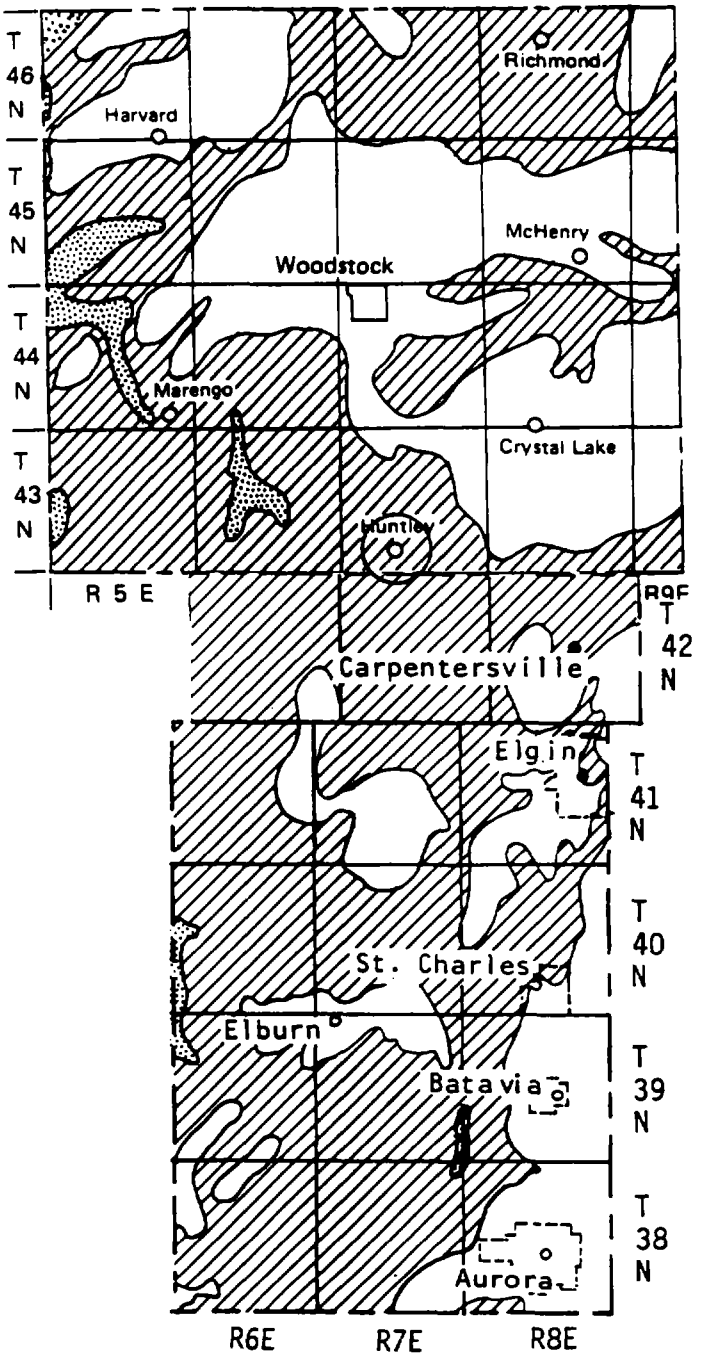
5.2 GROUNDWATER

Sand and gravel deposits are present within the glacial drift at most sites in McHenry County and offer possibilities for the development of moderate to large quantities of water from individual wells. These Pleistocene series sands and gravels are the primary source of most public and private water supplies throughout the county (Illinois State Water Survey (ISWS) Bulletin 60-19) and constitute the aquifer of concern. According to area ISWS well logs, the drift averages approximately 200 feet in thickness.

The Maquoketa Group underlies the glacial drift at in the Huntley area and consists primarily of non-water bearing shales that separate the Silurian aquifer from deeper water-bearing units. Figure 5-1 is a bedrock surface map of McHenry and Kane Counties. A 3-mile circle is drawn around the site showing the Maquoketa Group as the uppermost bedrock unit in the area.

Below the Maquoketa Group is the Cambrian-Ordovician aquifer system consisting of the hydraulically connected

Figure 5-1



Areal geology of the bedrock surface

(Modified from Geologic Map of Illinois, Willman and others, 1967)

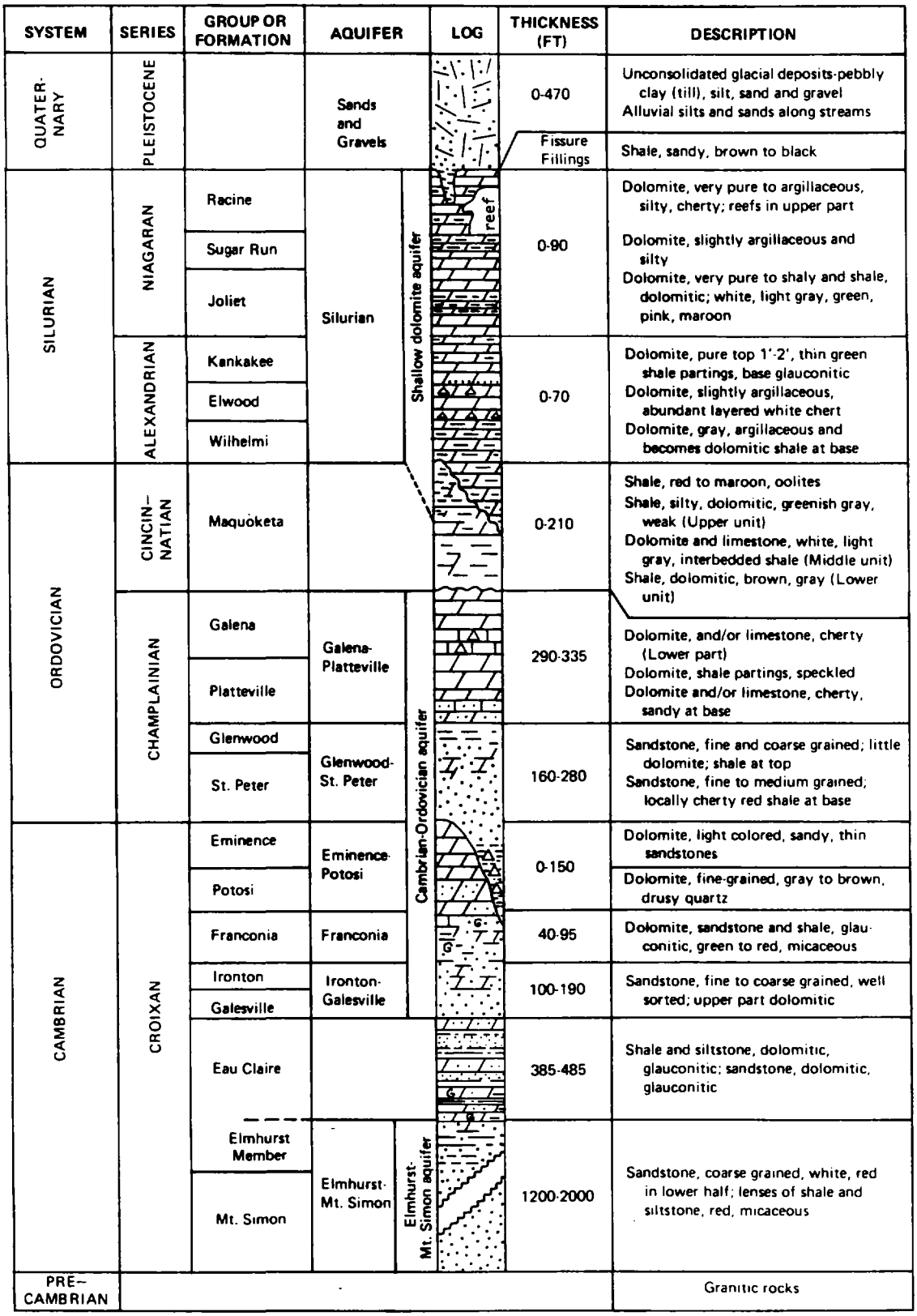
Galena-Platteville Dolomite, Glenwood-St. Peter Sandstone, Eminence-Potosi Dolomite, Franconia Formation, and Ironton-Galesvelle Sandstone (ISWS Bulletins 60-19 and 60-22). Figure 5-2 is a geologic profile showing the aquifers in McHenry County.

Groundwater samples collected during the April 25, 1990 SSI, indicate that neither the nearby public well #4, 15 feet away, nor public well #6, nine tenths of a mile south, are currently being affected by the soil contamination at Catty. According to IEPA Division of Public Water Supplies, only one other public well is located within four miles of the site. That well is Huntley well #5, also finished in sands and gravels at a depth of 95 feet and is located seven tenths of a mile north of Catty. The 3 village of Huntley wells supply 1646 residents with drinking water.

Many private wells within three miles obtain water from the shallow sand and gravel deposits of the glacial till, which has been designated as the aquifer of concern. Approximately 60 wells (serving 179 people) use the shallow aquifer and about 43 wells (serving 128 people) use the bedrock aquifer (Illinois State Geological Survey well logs, 1980 McHenry County Census Data - 2.99 persons per household). Based on a house count from 1972 revised US Geological Survey (USGS) 7.5 minute quadrangle topographic maps, 131 homes within 3 miles would require a water well (serving 391 people).

The nearest private well, as determined by the

Figure 5-2



Generalized column of rock stratigraphic units and aquifers in McHenry County

(Prepared by M. L. Sargent, Illinois State Geological Survey)

reconnaissance visit, using the aquifer of concern (sand and gravel deposits) is 1/4 mile north of the site (see Appendix E for well logs). Groundwater is encountered at a depth of 6 feet however flow direction is unknown.

5.3 SURFACE WATER

Due to little topographic relief, drainage at the site would not effect any surface water. The nearest surface water is the South Branch Kishwaukee River, three quarters of a mile south of the site. The South Branch flows northwest to the Kishwaukee River. Between the site and the South Branch, is a wetland area greater than 5 acres.

5.4 AIR

No documented releases to the air were observed during the SSI. A photo-ionization detector (HNU) with an 11.7 eV lamp was used to screen the monitor well head space and soil samples. On sample X107, the HNU rose to 15 meter units above background and then returned to normal.

5.5 ON-SITE EXPOSURE

The site is not completely fenced, however the drum storage pad is fenced and locked. The nearest residence is just across South Church Street.

Approximately 1678 people live within a 1 mile radius of the site.

6. BIBLIOGRAPHY

Illinois Department of Energy and Natural Resources, State Water Survey, water well records of wells in McHenry County, T.43N. R.7E., T.43N. R.6E. and T.43N. R.8E. , and in Kane County, T.42N. R.7E., T.42N. R.6E. and T.42N. R.3E.

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Illinois Environmental Protection Agency Division of Public Water Supplies, file for Huntley Public Water Supply System.

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APPENDIX A

4-MILE RADIUS MAP

SDMS US EPA Region V

Imagery Insert Form

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APPENDIX B

USEPA 2070-13 FORM

Site Inspection Report

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 1 - SITE LOCATION AND INSPECTION INFORMATION

EPA

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
ILD	180012585

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER				
Catty Corporation	11117 South Church Street				
03 CITY	**04 STATE**	**05 ZIP CODE**	**06 COUNTY**	**07 COUNTY CODE**	**08 CONG DIST**
Huntley	IL	60142	McHenry	111	12

09 COORDINATES LATITUDE 42 10 00.0 LONGITUDE 088 25 32.0

10 TYPE OF OWNERSHIP (Check one)
■ A. PRIVATE ☐ B. FEDERAL _____ ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL
☐ F. OTHER _____ ☐ G. UNKNOWN

III. INSPECTION INFORMATION

01 DATE OF INSPECTION	02 SITE STATUS	03 YEARS OF OPERATION
04 / 25 90 (MONTH DAY YEAR)	■ ACTIVE ☐ INACTIVE	1907 (BEGINNING YEAR) / Present (ENDING YEAR) ___ UNKNOWN

04 AGENCY PERFORMING INSPECTION (Check all that apply)
☐ A. EPA ☐ B. EPA CONTRACTOR _____ (Name of firm) ☐ C. MUNICIPAL ☐ D. MUNICIPAL CONTRACTOR _____ (Name of firm)
■ E. STATE ☐ F. STATE CONTRACTOR _____ (Name of firm) ☐ G. OTHER _____ (Specify)

05 CHIEF INSPECTOR	06 TITLE	07 ORGANIZATION	08 TELEPHONE NO.
Timothy J. Murphy	Environmental Protection Specialist	IEPA	(217) 782-6760
09 OTHER INSPECTORS	10 TITLE	11 ORGANIZATION	12 TELEPHONE NO.
Greg Dunn	"	"	( ) "
			( )
			( )
			( )
			( )

13 SITE REPRESENTATIVES INTERVIEWED	14 TITLE	15 ADDRESS	16 TELEPHONE NO
Raymond Scott	President Owner	same as 02 above	( )
Gene Konaszewski	Purchasing Agent (of 23 yrs)	"	( )
			( )
			( )
			( )
			( )

17 ACCESS GAINED BY (Check one)	18 TIME OF INSPECTION	19 WEATHER CONDITIONS
■ PERMISSION ☐ WARRANT		Sunny Mild high 70's °F

IV. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NO.
Gene Konaszewski	Catty Corporation	(708) 669-3860

04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NO.	08 DATE
Timothy J. Murphy	IEPA	RPMS	(217) 785-5737	09 / 19 / 90 (MONTH DAY YEAR)

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
ILD	180012585

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES *(Check all that apply)*

- ☐ A. SOLID
- ☐ B. POWDER, FINES
- ☐ C. SLUDGE
- ☐ D. OTHER _____ *(Specify)*
- ☐ E. SLURRY
- ● F. LIQUID
- ☐ G. GAS

02 WASTE QUANTITY AT SITE
(Measures of waste quantities must be independent)

TONS _____
CUBIC YARDS _____
NO. OF DRUMS _____

03 WASTE CHARACTERISTICS *(Check all that apply)*

- ● A. TOXIC
- ☐ B. CORROSIVE
- ☐ C. RADIOACTIVE
- ● D. PERSISTENT
- ☐ E. SOLUBLE
- ☐ F. INFECTIOUS
- ☐ G. FLAMMABLE
- ☐ H. IGNITABLE
- ☐ I. HIGHLY VOLATILE
- ☐ J. EXPLOSIVE
- ☐ K. REACTIVE
- ☐ L. INCOMPATIBLE
- ☐ M. NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE	UNKNOWN		
SOL	SOLVENTS	UNKNOWN		
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

IV. HAZARDOUS SUBSTANCES *(See Appendix for most frequently cited CAS Numbers)*

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
	See table 4-1				
	in report				

V. FEEDSTOCKS *(See Appendix for CAS Numbers)*

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION *(Cite specific references, e.g., state files, sample analysis, reports)*

IEPA DLPC file # L1110355003

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
ILD	180012585

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ■ A. GROUNDWATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) ■ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 1825 — 04 NARRATIVE DESCRIPTION

Vadose zone soil samples from adjacent property show semi-volatile organic compounds. On-site samples contain the same contaminants in the soil up to 6 feet below the surface near the water table

01 ☐ B. SURFACE WATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION

Nearest surface water is .75 mile south of site

01 ■ C. CONTAMINATION OF AIR — 02 ☐ OBSERVED (DATE: _____) ■ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION

Prior to adjacent property clean up, soil gas readings showed contamination that may have contributed to an air release (05/03/88) However, readings taken after the city's property was excavated and removed showed no breathing zone threat with the HNU during the 04/25/90 SSI.

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION

None documented or observed

01 ☐ E. DIRECT CONTACT — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION

None documented or observed

01 ■ F. CONTAMINATION OF SOIL — 02 ■ OBSERVED (DATE: 04/25/90) ☐ POTENTIAL ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED: ≈2 (Acres) — 04 NARRATIVE DESCRIPTION

Soil samples near the newly constructed drum storage pad show PNA's and several volatiles from the samples collected during the SSI

01 ■ G. DRINKING WATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) ■ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 1825 — 04 NARRATIVE DESCRIPTION

see A. above

Huntley Well # 4 is 15' from Catty's drum pad, the well is 63 feet deep.

01 ☐ H. WORKER EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION

None documented or observed

01 ☐ I. POPULATION EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION

see G. above

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION
01 STATE: ILD | 02 SITE NUMBER: 1800125855

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

None documented or observed

01 ☐ K. DAMAGE TO FAUNA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION (Include name(s) of species)

None documented or observed

01 ☐ L. CONTAMINATION OF FOOD CHAIN — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

None documented or observed

01 ■ M. UNSTABLE CONTAINMENT OF WASTES (Spills/Runoff/Standing liquids, Leaking drums) — 02 ■ OBSERVED (DATE 10/08/87) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 1825 — 04 NARRATIVE DESCRIPTION
Wastes were stored on wooden planked pad without secondary containment
Wastes were stored in a well house prior to plugging the shallow well.

01 ■ N. DAMAGE TO OFFSITE PROPERTY — 02 ■ OBSERVED (DATE: 10/08/87) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
Contamination was first found on the adjacent village property next to Catty's drum storage area

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

None documented or observed

01 ■ P. ILLEGAL/UNAUTHORIZED DUMPING — 02 ■ OBSERVED (DATE: 10/08/87) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
Drums with tops removed, overturned drums and spills were photographed by a village consultant at the drum storage area, prior to the new pad being built

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: 1825

IV. COMMENTS

V. SOURCES OF INFORMATION (Cite specific references, e.g. state files, sample analysis reports)

IEPA DLPC file # 1110355003

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION
PART 4 - PERMIT AND DESCRIPTIVE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
ILD	180012585

II. PERMIT INFORMATION

01 TYPE OF PERMIT ISSUED (Check all that apply)	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS
☐ A. NPDES				
☐ B. UIC				
☐ C. AIR				
■ D. RCRA				less than 90 storage
☐ E. RCRA INTERIM STATUS				
☐ F. SPCC PLAN				
☐ G. STATE (Specify)				
☐ H. LOCAL (Specify)				
☐ I. OTHER (Specify)				
☐ J. NONE				

III. SITE DESCRIPTION

01 STORAGE/DISPOSAL (Check all that apply)	02 AMOUNT	03 UNIT OF MEASURE
☐ A. SURFACE IMPOUNDMENT		
☐ B. PILES		
■ C. DRUMS, ABOVE GROUND	5 - 55gal	per month
☐ D. TANK, ABOVE GROUND		
☐ E. TANK, BELOW GROUND		
☐ F. LANDFILL		
☐ G. LANDFARM		
☐ H. OPEN DUMP		
☐ I. OTHER (Specify)		

04 TREATMENT (Check all that apply)

- ☐ A. INCENERATION
- ☐ B. UNDERGROUND INJECTION
- ☐ C. CHEMICAL/PHYSICAL
- ☐ D. BIOLOGICAL
- ☐ E. WASTE OIL PROCESSING
- ☐ F. SOLVENT RECOVERY
- ☐ G. OTHER RECYCLING/RECOVERY
- ☐ H. OTHER (Specify)

05 OTHER

■ A. BUILDINGS ON SITE

4

06 AREA OF SITE

2.128 (Acres)

07 COMMENTS Waste drums are stored in 20x20 well house at south end of property. Production materials are stored in drums at the newly constructed (Nov '87) drum pad

IV. CONTAINMENT

01 CONTAINMENT OF WASTES (Check one)

■ A. ADEQUATE, SECURE ☐ B. MODERATE ☐ C. INADEQUATE, POOR ☐ D. INSECURE, UNSOUND, DANGEROUS

02 DESCRIPTION OF DRUMS, DIKING, LINERS, BARRIERS, ETC.

Currently, containment is secure, but prior to November 1987, wastes and production materials were stored on a wooden planked pad. For a while, waste were stored next to a well in the well house

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE: ☐ YES ■ NO

02 COMMENTS

VI. SOURCES OF INFORMATION (Cite specific references, e.g. state files, sample analysis, reports)

IEPA DLPC file # L1110355003

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
ILD	980012585

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY *(Check as applicable)*

	SURFACE	WELL
COMMUNITY	A. ☐	B. ■
NON-COMMUNITY	C. ☐	D. ■

02 STATUS

	ENDANGERED	AFFECTED	MONITORED
	A. ■	B. ☐	C. ☐
	D. ■	E. ☐	F. ☐

03 DISTANCE TO SITE

A. .00018 (mi)
B. .25 (mi)

III. GROUNDWATER

01 GROUNDWATER USE IN VICINITY *(Check one)*

■ A. ONLY SOURCE FOR DRINKING ☐ B. DRINKING *(Other sources available)* COMMERCIAL, INDUSTRIAL, IRRIGATION *(No other water sources available)* ☐ C. COMMERCIAL, INDUSTRIAL, IRRIGATION *(Limited other sources available)* ☐ D. NOT USED, UNUSEABLE

02 POPULATION SERVED BY GROUND WATER 1825

03 DISTANCE TO NEAREST DRINKING WATER WELL .00018 (mi)

04 DEPTH TO GROUNDWATER	05 DIRECTION OF GROUNDWATER FLOW	06 DEPTH TO AQUIFER OF CONCERN	07 POTENTIAL YIELD OF AQUIFER	08 SOLE SOURCE AQUIFER
6 (ft)	UNKNOWN	6 (ft)	UNKNOWN (gpd)	☐ YES ■ NO

09 DESCRIPTION OF WELLS *(Including useage, depth, and location relative to population and buildings)*

Well #4 (Huntley) 63' deep 15' North of drum storage pad screened in sonds of gravels of glacial tills

10 RECHARGE AREA		11 DISCHARGE AREA	
■ YES ☐ NO	COMMENTS infiltration of rain water	☐ YES ■ NO	COMMENTS

IV. SURFACE WATER

01 SURFACE WATER USE *(Check one)*

☐ A. RESERVOIR, RECREATION DRINKING WATER SOURCE ☐ B. IRRIGATION, ECONOMICALLY IMPORTANT RESOURCES ☐ C. COMMERCIAL, INDUSTRIAL ☐ D. NOT CURRENTLY USED

02 AFFECTED/POTENTIALLY AFFECTED BODIES OF WATER

NAME:	AFFECTED	DISTANCE TO SITE
South Branch Kishwaukee River	☐	.75 (mi)
	☐	(mi)
	☐	(mi)

V. DEMOGRAPHIC AND PROPERTY INFORMATION

01 TOTAL POPULATION WITHIN 2.99/household McHenry Co. Census

ONE (1) MILE OF SITE	TWO (2) MILES OF SITE	THREE (3) MILES OF SITE
A. 1678 NO. OF PERSONS	B. 1817 NO. OF PERSONS	C. 2036 NO. OF PERSONS

02 DISTANCE TO NEAREST POPULATION .0094 (mi)

03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE ≈650

04 DISTANCE TO NEAREST OFF-SITE BUILDING .0094 (mi)

05 POPULATION WITHIN VICINITY OF SITE *(Provide narrative description of nature of population within vicinity of site, e.g., rural, village, densely populated urban area)*

Cathy is located in the south central part of the village of Huntley, IL, outside the village, the rural population is spread out

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
ILD	IB0012585

VI. ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE (Check one)

☐ A. $10^{-6} - 10^{-8}$ cm/sec ☎ B. $10^{-4} - 10^{-6}$ cm/sec ☐ C. $10^{-4} - 10^{-3}$ cm/sec ☐ D. GREATER THAN 10^{-3} cm/sec

02 PERMEABILITY OF BEDROCK (Check one)

■ A. IMPERMEABLE (Less than 10^{-6} cm/sec) ☐ B. RELATIVELY IMPERMEABLE ($10^{-4} - 10^{-6}$ cm/sec) ☐ C. RELATIVELY PERMEABLE ($10^{-2} - 10^{-4}$ cm/sec) ☐ D. VERY PERMEABLE (Greater than 10^{-2} cm/sec)

03 DEPTH TO BEDROCK	04 DEPTH OF CONTAMINATED SOIL ZONE	05 SOIL pH	
200 (ft)	6 (ft)	UNKNOWN	

06 NET PRECIPITATION	07 ONE YEAR 24 HOUR RAINFALL	08 SLOPE: SITE SLOPE	DIRECTION OF SITE SLOPE	TERRAIN AVERAGE SLOPE
32 (in)	2.5 (in)	< 3 %	SW	< 3 %

09 FLOOD POTENTIAL

SITE IS IN N/A YEAR FLOODPLAIN

10 ☐ SITE IS ON BARRIER ISLAND, COASTAL HIGH HAZARD AREA, RIVERINE FLOODWAY

11 DISTANCE TO WETLANDS (5 acre minimum)

ESTUARINE: A. _____ (mi) OTHER: B. .15 (mi)

12 DISTANCE TO CRITICAL HABITAT (of endangered species)

_____ (mi)

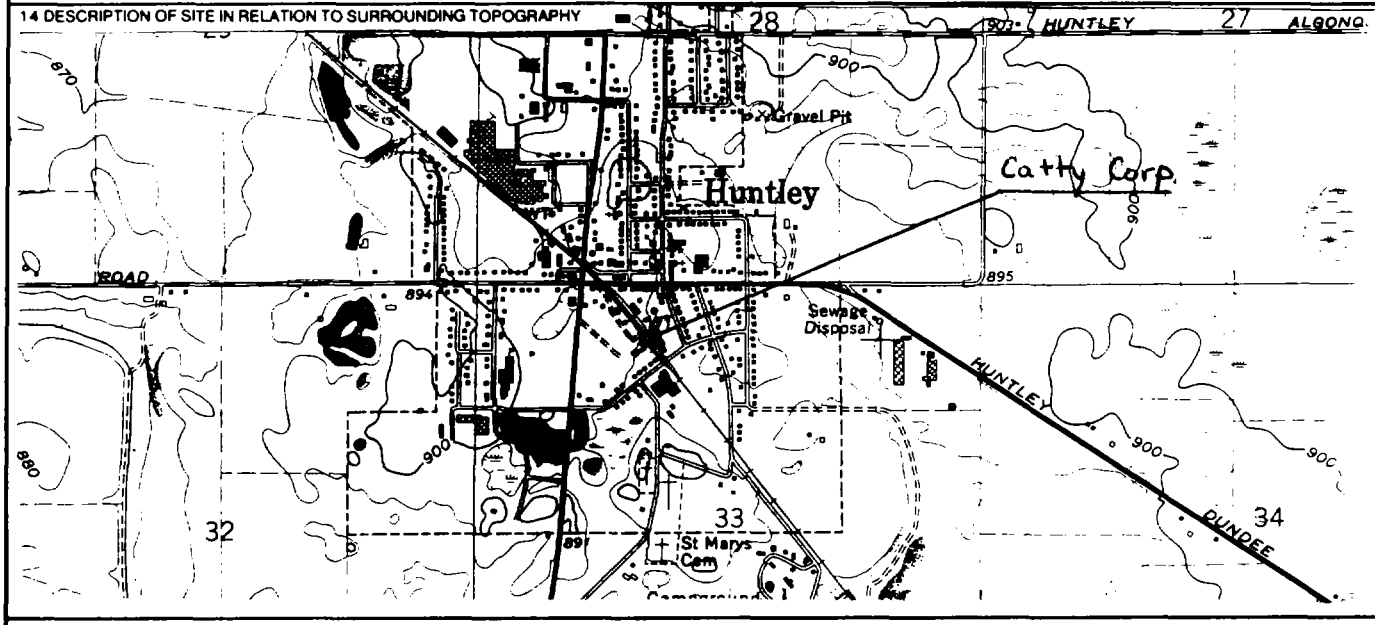
ENDANGERED SPECIES: N/A

13 LAND USE IN VICINITY

DISTANCE TO:

COMMERCIAL/INDUSTRIAL	RESIDENTIAL AREAS; NATIONAL/STATE PARKS, FORESTS, OR WILDLIFE RESERVES	AGRICULTURAL LANDS: PRIME AG LAND	AG LAND
A. .0094 (mi)	B. .0094 (mi)	C. _____ (mi)	D. .50 (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY



VII. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

USGS 7.5 Min. Topographic Series Huntley, IL (27B)

HRS Users Manual for precipitation data

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 6 - SAMPLE AND FIELD INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
ILD	180017585

II. SAMPLES TAKEN

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER	2	IEPA organics lab - Springfield, IL IEPA inorganics lab - Champaign, IL	6/25/90
SURFACE WATER			
WASTE			
AIR			
RUNOFF			
SPILL			
SOIL	6	11	11
VEGETATION			
OTHER			

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS
Distance Measurments	for Soil samples

IV. PHOTOGRAPHS AND MAPS

01 TYPE ● GROUND ☐ AERIAL

02 IN CUSTODY OF USEPA in SSI Report, IEPA
(Name of organization or individual)

03 MAPS ● YES ☐ NO

04 LOCATION OF MAPS with SSI report

V. OTHER FIELD DATA COLLECTED (Provide narrative description)

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

IEPA Work Plan for Cotty Corporation
IEPA SSI 04/25/90

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 7 - OWNER INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
ILD	180012585

II. CURRENT OWNER(S)

01 NAME	02 D+B NUMBER	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	05 CITY	06 STATE	07 ZIP CODE
Raymond Scott		11117 S. Church St		Huntley	IL	60142

PARENT COMPANY (If applicable)

08 NAME	09 D+B NUMBER	10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE	12 CITY	13 STATE	14 ZIP CODE
N/A						

III. PREVIOUS OWNER(S) (List most recent first)

01 NAME	02 D+B NUMBER	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	05 CITY	06 STATE	07 ZIP CODE
See report table 2-2						

IV. REALTY OWNER(S) (If applicable; list most recent first)

01 NAME	02 D+B NUMBER	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	05 CITY	06 STATE	07 ZIP CODE
N/A						

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 8 - OPERATOR INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
ILD	180012585

II. CURRENT OPERATOR *(Provide if different from owner)*

01 NAME	02 D+B NUMBER
Same as current owner	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER

OPERATOR'S PARENT COMPANY *(If applicable)*

10 NAME	11 D+B NUMBER
N/A	

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

III. PREVIOUS OPERATOR(S) *(List most recent first; provide only if different from owner)*

01 NAME	02 D+B NUMBER
Same as previous owners	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD

PREVIOUS OPERATORS' PARENT COMPANIES *(If applicable)*

10 NAME	11 D+B NUMBER
N/A	

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD

10 NAME	11 D+B NUMBER

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD

10 NAME	11 D+B NUMBER

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

IV. SOURCES OF INFORMATION *(Cite specific references, e.g., state files, sample analysis, reports)*

IEPA DLPC file # L1110355003

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 9 - GENERATOR/TRANSPORTER INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
ILD	180012585

II. ON-SITE GENERATOR

01 NAME	02 D+B NUMBER
Same as owner	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

III. OFF-SITE GENERATOR(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
N/A			
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE

IV. TRANSPORTER(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
EWR			
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE
Coal City	IL / 60416		
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

IEPA DLPC file # L1110355003

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
ILD	180012585

II. PAST RESPONSE ACTIVITIES

01 ☐ A. WATER SUPPLY CLOSED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ B. TEMPORARY WATER SUPPLY PROVIDED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ C. PERMANENT WATER SUPPLY PROVIDED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ D. SPILLED MATERIAL REMOVED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ E. CONTAMINATED SOIL REMOVED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ F. WASTE REPACKAGED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ G. WASTE DISPOSED ELSEWHERE — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ H. ON SITE BURIAL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ I. IN SITU CHEMICAL TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ J. IN SITU BIOLOGICAL TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ K. IN SITU PHYSICAL TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ L. ENCAPSULATION — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ M. EMERGENCY WASTE TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ N. CUTOFF WALLS — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ O. EMERGENCY DIKING/SURFACE WATER DIVERSION — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ P. CUTOFF TRENCHES/SUMP — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ Q. SUBSURFACE CUTOFF WALL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
ILD	180012585

II PAST RESPONSE ACTIVITIES *(Continued)*

01 ☐ R. BARRIER WALLS CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ S. CAPPING/COVERING — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ T. BULK TANKAGE REPAIRED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ U. GROUT CURTAIN CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ V. BOTTOM SEALED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ W. GAS CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ X. FIRE CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ Y. LEACHATE TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ Z. AREA EVACUATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ 1. ACCESS TO SITE RESTRICTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ 2. POPULATION RELOCATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ 3. OTHER REMEDIAL ACTIVITIES — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

Adjacent village of Huntley property was cleaned-up (Soil removal) Near the village #4 well.

III. SOURCES OF INFORMATION *(Cite specific references, e.g., state files, sample analysis, reports)*

IEPA DLPC file # L1110355003

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 11 - ENFORCEMENT INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
ILD	1800125 85

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION ☐ YES ■ NO

02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

III. SOURCES OF INFORMATION *(Cite specific references, e.g., state files, sample analysis, reports)*

IEPA DLPC file # L1110355003

APPENDIX C

TARGET COMPOUND LIST

TARGET COMPOUND LIST

Volatile Target Compounds

Compound	Water CRDL	Soil/Solid CRDL
1. chloromethane	10 ug/l	10 ug/kg
2. bromomethane	10	10
3. vinyl chloride	10	10
4. chloroethane	10	10
5. methylene chloride	5	5
6. acetone	10	10
7. carbon disulfide	5	5
8. 1,1-dichloroethene	5	5
9. 1,1-dichloroethane	5	5
10. t-1.2-dichloroethene	5	5
11. 1,2-dichloropropane	5	5
12. chloroform	5	5
13. 1,2-dichloroethane	5	5
14. 2-butanone	10	10
15. 1,1,1-trichloroethane	5	5
16. carbon tetrachloride	5	5
17. vinyl acetate	10	10
18. dichlorobromomethane	5	5
19. c-1,3-dichloropropene	5	5
20. trichloroethene	5	5
21. benzene	5	5
22. chlorodibromomethane	5	5
23. 1,1,2-trichloroethane	5	5
24. t-1,3-dichloropropene	5	5
25. 2-chloroethyl vinyl ether	10	10
26. bromoform	5	5
27. 2-hexanone	10	10
28. 4-methyl-2-pentanone	10	10
29. 1,1,2,2-tetrachloroethane	5	5
30. tetrachloroethene	5	5
31. toluene	5	5
32. chlorobenzene	5	5
33. ethylbenzene	5	5
34. styrene	5	5
35. total xylenes	15	15

CRDL - Contract Required Detection Limit

Base/Neutral Target Compounds

Compound	Water CRDL	Soil/Solid CRDL
1. Hexachloroethane	10 ug/l	330 ug/kg
2. Bis (2-chloroethyl) ether	10	330
3. Benzyl Alcohol	10	330
4. Bis (2-chloroisopropyl) ether	10	330
5. N-nitrosodi-n-propylamine	10	330
6. Nitrobenzene	10	330
7. Hexachlorobutadiene	10	330
8. 2-Methylnaphthalene	10	330
9. 1,2,4-trichlorobenzene	10	330
10. Isophorone	10	330
11. Naphthalene	10	330
12. 4-Chloroaniline	10	330
13. Bis (2-chloroethoxy) methane	10	330
14. Hexachlorocyclopentadiene	10	330
15. 2-chloronaphthalene	10	330
16. 2-Nitroaniline	50	1600
17. Acenaphthylene	10	330
18. 3-Nitroaniline	50	1600
19. Acenaphthene	10	330
20. Dibenzofuran	10	330
21. Dimethylphthalate	10	330
22. 2,6-Dinitrotoluene	10	330
23. Fluorene	10	330
24. 4-Nitroaniline	50	1600
25. 4-Chlorophenyl-phenyl ether	10	330
26. 2,4-Dinitrotoluene	10	330
27. Diethylphthalate	10	330
28. N-Nitrosodiphenylamine	10	330
29. Hexachlorobenzene	10	330
30. Phenanthrene	10	330
31. 4-Bromophenyl-phenyl ether	10	330
32. Anthracene	10	330
33. Dibutylphthalate	10	330
34. Fluoranthene	10	330
35. Pyrene	10	330
36. Butyl benzyl phthalate	10	330
37. Bis (2-ethylhexyl) phthalate	10	330
38. Chrysene	10	330
39. Benzo (a) anthracene	10	330
40. 3,3'-Dichlorobenzidene	20	660
41. Di-n-octyl phthalate	10	330
42. Benzo (b) fluoranthene	10	330
43. Benzo (k) fluoranthene	10	330
44. Benzo (a) pyrene	10	330
45. Indeno (1,2,3-cd) pyrene	10	330
46. Dibenzo (a,h) anthracene	10	330
47. Benzo (g,h,i) perylene	10	330
48. 1,2-Dichlorobenzene	10	330
49. 1,3-Dichlorobenzene	10	330
50. 1,4-Dichlorobenzene	10	330

Acid Target Compounds

Compound	Water CRDL	Soil/Solid CRDL
1. Benzoic Acid	50 ug/l	1600 ug/kg
2. Phenol	10	330
3. 2-chlorophenol	10	330
4. 2-nitrophenol	50	1600
5. 2-methylphenol	10	330
6. 2,4-dimethylphenol	10	330
7. 4-methylphenol	10	330
8. 2,4-dichlorophenol	10	330
9. 2,4,6-trichlorophenol	10	330
10. 2,4,5-trichlorphenol	50	1600
11. 4-chloro-3-methylphenol	10	330
12. 2,4-dinitrophenol	50	1600
13. 2-methyl-4,6-dinitrophenol	50	1600
14. Pentachlorophenol	50	1600
15. 4-nitrophenol	50	1600

Pesticide Target Compounds

Compound	Water CRDL	Soil/Solid CRDL
1. alpha-BHC	.05 ug/l	8.0 ug/kg
2. beta-BHC	.05	8.0
3. delta-BHC	.05	8.0
4. Lindane (gamma-BHC)	.05	8.0
5. Heptachlor	.05	8.0
6. Aldrin	.05	8.0
7. Heptachlor epoxide	.05	8.0
8. Endosulfan I	.05	8.0
9. 4,4'-DDE	.10	16.0
10. Dieldrin	.10	16.0
11. Endrin	.10	16.0
12. 4,4'-DDD	.10	16.0
13. Endosulfan II	.10	16.0
14. 4,4'-DDT	.10	16.0
15. Endrin aldehyde	.10	16.0
16. Endosulfan sulfate	.10	16.0
17. Methoxychlor	.50	80.0
18. Chlordane	.50	80.0
19. Toxaphene	.50	80.0
20. Arochlor-1016	1.0	160.0
21. Arochlor-1221	.50	80.0
22. Arochlor-1232	.50	80.0
23. Arochlor-1242	.50	80.0
24. Arochlor-1248	.50	80.0
25. Arochlor-1254	1.0	160.0
26. Arochlor-1260	1.0	160.0

Inorganic Target Compounds

Metals Analyses (CRDL)-ug/l*	
Aluminum	200
Antimony	60
Arsenic	10
Barium	200
Beryllium	5
Cadmium	5
Chromium	10
Cobalt	50
Copper	25
Iron	100
Lead	5
Manganese	15
Mercury	0.2
Nickel	40
Selenium	5
Silver	10
Thallium	10
Vanadium	50
Zinc	20

Other Inorganics

Cyanide
Sulfide
~~Phenols~~
~~Nitrogen, Ammonia~~
~~Nitrogen, Total Kjeldahl~~
~~Nitrogen, Nitrate~~
~~Boron~~
~~pH~~
Sulfate

*Any analytical method specified in the Quality Assurance Project Plan (QAPP) may be utilized as long as the documented instrument or method detection limits meet the Contract Required Detection Level requirements. Higher detection levels may only be used in the following circumstance:

If the sample concentration exceeds two times the detection limit of the instrument or method in use, the value may be reported even though the instrument or method detection limit may not equal the CRDL. This is illutrated in the example below:

For lead:

Method in use -- ICP
Instrument Detection Limit (IDL) = 40
Sample Concentration = 85
Contract Required Detection Level (CRDL) = 5

The value of 85 may be reported even though instrument detection limit is greater than required detection level. The instrument or method detection limit must be documented as described in Form IIIX.

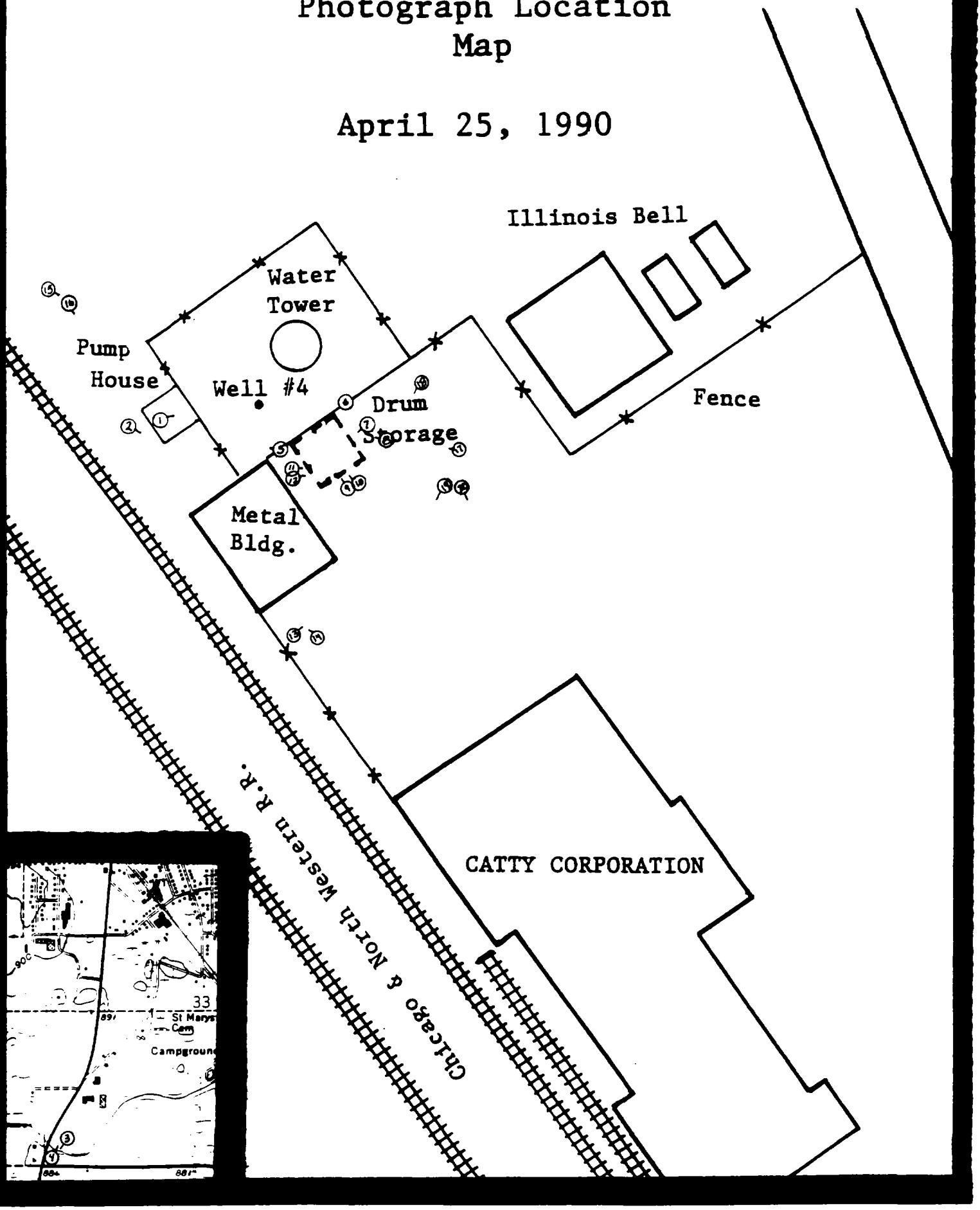
These CRDL are the instrument detection limits obtained in pure water that must be met using ICP/Flame AA or Furnace AA. The detection limits for samples may be considerably higher depending on the sample matrix.

APPENDIX D

SSI PHOTOGRAPHS

Photograph Location Map

April 25, 1990



DATE: 4-25-90

TIME: 6:00pm

PHOTOGRAPH TAKEN BY:

Timothy J. Murphy

PHOTO NUMBER: 19

LOCATION: Catty Corp. 11117 S. Church St., Huntly, IL McHenry Co.

COMMENTS: PICTURE TAKEN TOWARD the Southwest of Catty Corp.

DATE: 4-25-90

TIME: 6:00 pm

PHOTOGRAPH TAKEN BY:

Timothy J. Murphy

PHOTO NUMBER: 20

LOCATION: Catty Corp. 11117 S. Church St., Huntly, IL McHenry Co.

COMMENTS: PICTURE TAKEN TOWARD the South of Catty Corp. with Pres. Raymond Scott on the left and Purchasing Agent Gene Konaszewski on the right

DATE: 4-25-90

TIME: 6:00 pm

PHOTOGRAPH TAKEN BY:

Timothy J. Murphy

PHOTO NUMBER: 17

LOCATION: Catty Corp. 11117 S. Church St., Huntly, IL McHenry Co.

COMMENTS: PICTURE TAKEN TOWARD the Northwest of the drum storage pad with Huntly Well #4 in the background

DATE: 4-25-90

TIME: 6:00 pm

PHOTOGRAPH TAKEN BY:

Timothy J. Murphy

PHOTO NUMBER: 18

LOCATION: Catty Corp. 11117 S. Church St., Huntly, IL McHenry Co.

COMMENTS: PICTURE TAKEN TOWARD the west-southwest of the drum storage pad with the metal bldg. (warehouse) in the background

DATE: 4-25-90

TIME: 12:30pm

PHOTOGRAPH TAKEN BY:

Timothy J. Murphy

PHOTO NUMBER: 15

LOCATION: North of Pump house at Huntly Well #4, Huntly, IL McHenry Co.

COMMENTS: PICTURE TAKEN TOWARD the southeast of X107 Sample location, 24' east and 3' North of the utility pole that's 2' east of the Rd.

DATE: 4-25-90

TIME: 12:30pm

PHOTOGRAPH TAKEN BY:

Timothy J. Murphy

PHOTO NUMBER: 16

LOCATION: North of Pump house at Huntly Well #4, Huntly, IL McHenry Co.

COMMENTS: PICTURE TAKEN TOWARD the South-southeast of X107 Sample location

DATE: 4-25-90

TIME: 5:30 pm

PHOTOGRAPH TAKEN BY:

Timothy J. Murphy

PHOTO NUMBER: 13

LOCATION: Catty Corp.
11117 S. Church St.,
Huntly, IL McHenry Co.

COMMENTS: PICTURE TAKEN TOWARD
the Northeast of X105
sample location, 20'
South of metal bldg. and
6' east of fence

DATE: 4-25-90

TIME: 5:30pm

PHOTOGRAPH TAKEN BY:

Timothy J. Murphy

PHOTO NUMBER: 14

LOCATION: Catty Corp.
11117 S. Church St.,
Huntly, IL McHenry Co.

COMMENTS: PICTURE TAKEN TOWARD
the Northwest of
X105 Sample location

DATE: 4-25-90

TIME: 4:15 pm

PHOTOGRAPH TAKEN BY:

Timothy J. Murphy

PHOTO NUMBER: 11

LOCATION: Catty Corp.
11117 S. Church St.,
Huntly, IL McHenry Co.

COMMENTS: PICTURE TAKEN TOWARD
the east of X104
sample location on
the center of the
west side of the drum
pad

DATE: 4-25-90

TIME: 4:15pm

PHOTOGRAPH TAKEN BY:

Timothy J. Murphy

PHOTO NUMBER: 12

LOCATION: Catty Corp.
11117 S. Church St.,
Huntly, IL McHenry Co.

COMMENTS: PICTURE TAKEN TOWARD
the east of X104
sample location

DATE: 4-25-90

TIME: 2:50pm

PHOTOGRAPH TAKEN BY:

Timothy J. Murphy

PHOTO NUMBER: 9

LOCATION: Catty Corp.
11117 S. Church St.,
Huntly, IL McHenry Co.

COMMENTS: PICTURE TAKEN TOWARD
the North-North West
of X103 sample location,
ON the center of the
South side of the
drum pad

DATE: 4-25-90

TIME: 2:50 pm

PHOTOGRAPH TAKEN BY:

Timothy J. Murphy

PHOTO NUMBER: 10

LOCATION: Catty Corp.
11117 S. Church St.,
Huntly, IL McHenry Co.

COMMENTS: PICTURE TAKEN TOWARD
the Northwest of
X103 sample location

DATE: 4-25-90

TIME: 3:30pm

PHOTOGRAPH TAKEN BY:

Timothy J. Murphy

PHOTO NUMBER: 7

LOCATION: Catty Corp.
11117 S. Church St.,
Huntly, IL McHenry Co.

COMMENTS: PICTURE TAKEN TOWARD
the west-southwest
of X10Z sample location,
on the center of the
east side of the drum
pad

DATE: 4-25-90

TIME: 3:30pm

PHOTOGRAPH TAKEN BY:

Timothy J. Murphy

PHOTO NUMBER: 8

LOCATION: Catty Corp.
11117 S. Church St.,
Huntly, IL McHenry Co.

COMMENTS: PICTURE TAKEN TOWARD
the west-northwest
of X10Z sample location
with Huntly Well #4
in the background

DATE: 4-25-90

TIME: 1:00 pm

PHOTOGRAPH TAKEN BY:

Timothy J. Murphy

PHOTO NUMBER: 1

LOCATION: Pump house at Huntly Well #4 Huntly, IL McHenry Co.

COMMENTS: PICTURE TAKEN TOWARD the east of Faucet used to collect G501

DATE: 4-25-90

TIME: 1:00 pm

PHOTOGRAPH TAKEN BY:

Timothy J. Murphy

PHOTO NUMBER: 2

LOCATION: Pump house at Huntly Well #4 Huntly, IL McHenry Co.

COMMENTS: PICTURE TAKEN TOWARD the southeast of the Pump house with the drum storage area at Catty in the background.

DATE: 4-25-90

TIME: 1:50 pm

PHOTOGRAPH TAKEN BY:

Timothy J. Murphy

PHOTO NUMBER: 3

LOCATION: Pump house at Huntly Well #6 Huntly, IL McHenry Co.

COMMENTS: PICTURE TAKEN TOWARD the southwest of G502 sample location

DATE: 4-25-90

TIME: 1:50 pm

PHOTOGRAPH TAKEN BY:

Timothy J. Murphy

PHOTO NUMBER: 4

LOCATION: Pump house at Huntly Well #6 Huntly, IL McHenry Co.

COMMENTS: PICTURE TAKEN TOWARD the North-Northwest of G502 sample location, east of Rt. 47 on Kreutzer Rd.

DATE: 4-25-90

TIME: 5:00pm

PHOTOGRAPH TAKEN BY:

Timothy J. Murphy

PHOTO NUMBER: 5

LOCATION: Catty Corp.
11117 S. Church St.,
Huntly, IL McHenry Co.

COMMENTS: PICTURE TAKEN TOWARD
the east-Northeast of
X101 Sample location on
the center of the North
side of the drum pad

DATE: 4-25-90

TIME: 5:00pm

PHOTOGRAPH TAKEN BY:

Timothy J. Murphy

PHOTO NUMBER: 6

LOCATION: Catty Corp.
11117 S. Church St.,
Huntly, IL McHenry Co.

COMMENTS: PICTURE TAKEN TOWARD
the west-southwest
of X101 Sample
location

APPENDIX E

WELL LOGS

TAP	RAW SOURCE	STAT	BACK UP	----LEGAL DESCRIPTION----	QUAD	SSCPTBLTY BURL SPRD	SETBACK	AQUIFER	DPTH
1115100 - CRYSTAL HTS ASSN				POPULATION: 110		SRVC CONN:	36	FACL STATUS:	A
01	20169-WELL 1 SOUTH END OF KENT AVE	B	N	43N 08E 04 4G 750S 2900E	027A	A2	400	5656	278
1115125 - OAKBROOK ESTS MHP				POPULATION: 138		SRVC CONN:	69	FACL STATUS:	A
01	20165-WELL 1	A	N	43N 08E 10 2G 600S 900W	027A	A2	400	0101	150
1115150 - CRYSTAL CLEAR WTR CMPNY				POPULATION: 900		SRVC CONN:	295	FACL STATUS:	A
01	20145-W1 IN PMPHSE IN SE COR OF OLD DRIVE-IN T	A	N	43N 08E 10 7G 1200S 625E	027A	A2	400	5661	512
02	20146-W2 N OF PMPHSE AT SE COR OF OLD DRIVE-IN	A	N	43N 08E 10 8G 1150S 625E	027A	A2	400	0101	271
1115400 - KILLARNEY WTR CMPNY				POPULATION: 1,176		SRVC CONN:	336	FACL STATUS:	A
02	20157-WELL 2 AT 3111 KILLARNEY DR BYLAKEWOOD D	A	N		027A	A2	400		250
1115730 - PRAIRIE RIDGE ASSN				POPULATION: 100		SRVC CONN:	30	FACL STATUS:	A
01	20162-W1 WHITE ASH RD N CRYTL LK AV W SMITH RD	A	N	44N 08E 34 2B 720N 720W	027A	A2	400	5661	360
1115760 - TURNBERRY UTL INC				POPULATION: 350		SRVC CONN:	100	FACL STATUS:	A
01	20158-W1 N TURNBRY TR E OF CLUBHSE DRIVE	A		43N 07E 11 4F 1800S 2700E	027A	B1	200	5063	395
0895550 - POWERS WTR INC				POPULATION: 100		SRVC CONN:	27	FACL STATUS:	A
01	20087-POWERS ROAD ABOUT 1MILE WEST OF HYW 47	A		42N 07E 10 5H 75S 2100E	027B	C2	400	0101	80
1110350 - HUNTLEY				POPULATION: 1,650		SRVC CONN:	400	FACL STATUS:	A
01	20203-WELL 4 E HYW 47 BETWEEN HUNTLEY RD & RR	A	Y	43N 07E 33 6M 250S 1750E	027B	C2	400	0101	63
02	20204-WELL 5 AT NEW ELEVATED TANK	A	Y	43N 07E 28 6F 1865S 1535E	027B	C2	400	0101	95
03	20205-WELL 6 N SIDE KREUTZER RD E OF RT 47	A	N	43N 07E 33 7A 75N 800E	027B	C2	400	0101	154
0890200 - CARPENTERSVILLE				POPULATION: 23,270		SRVC CONN:	5,500	FACL STATUS:	A
01	20028-WELL 3 JCT LK MARION & ALGONQUIN RD	I	N	42N 08E 15 1F 1500S 400W	027D	A2	400	0101	72
02	20029-WELL 5 NE CORNER AUSTIN E SACRAMENTO DR	A	N	42N 08E 14 2H 4900N 900W	027D	A2	400	0101	183
03	20030-WELL 6 300 FT E OF TRTMNT PLT	A	N	42N 08E 14 2G 850S 1100W	027D	A2	400	0101	179
0890250 - EAST DUNDEE				POPULATION: 2,650		SRVC CONN:	830	FACL STATUS:	A
01	20032-SPRING-BARRINGTON AVE	A	N	42N 08E 23 6D	027D	A2	400	0101	
01	20033-WELL 2 408 BARRINGTON AVE	A	N	42N 08E 23 7D 2100N 1250E	027D	A2	400	0101	69
02	20034-WELL 3 TOP OF BARRINGTON AVE HILL	A	N	42N 08E 23 6E 2600S 1800E	027D	A2	400	0101	128
0890400 - GILBERTS				POPULATION: 320		SRVC CONN:	91	FACL STATUS:	A
01	20051-DUNHILL SUBD EAST TYRRELL ROAD N I90	A	N	42N 08E 30 8E 2050S 200E	027D	C2	400	5656	187
0890750 - SLEEPY HOLLOW				POPULATION: 2,300		SRVC CONN:	625	FACL STATUS:	A
	20094-WEST END OF WILLOW LANE	I		42N 08E 28 6F 1500S 1450E	027D	AX	400	0101	34
	20095-WEST END OF WILLOW LANE	I		42N 08E 28 6F 1500S 1400E	027D	AX	400	0101	44
0890800 - SOUTH ELGIN				POPULATION: 6,400		SRVC CONN:	2,280	FACL STATUS:	A
03	20098-WELL 5 E OF HWY 31 ON ROSS AVE	A	N	41N 08E 26 3E 2100S 1700W	027D	A2	400	0101	68
0890950 - WEST DUNDEE				POPULATION: 3,750		SRVC CONN:	1,070	FACL STATUS:	A
01	20113-WELL 1 DUNNING AVE AT SECOND STREET	I	Y	42N 08E 27 1E 2900N 200W	027D	AX	400	6693	1239
02	20114-W#2 BY .1MG EL TK IN TOWER PK 4TH & MAIN	I	N	42N 08E 22 2B 1000N 1200W	027D	A2	400	0101	87

The pumping equipment presently installed is a 13-stage Deming turbine pump (Serial No. MT5673) set at 63 ft, rated at 80 gpm, and powered by a 5-hp 3600 rpm U.S. electric motor (Serial No. 2421639).

A mineral analysis made by the Illinois Environmental Protection Agency (Lab. No. B0018164) of a sample collected May 10, 1972, after pumping for 30 min, showed the water to have a hardness of 312 mg/l, total dissolved minerals of 400 mg/l, and an iron content of 1.05 mg/l.

WELL NO. 2, finished in sand and gravel, was completed in July 1958 to a depth of 108 ft by the Henry Boysen Co., Libertyville. The well is located 12 ft south of Well No. 1, approximately 1712 ft S and 1500 ft W of the NE corner of Section 18, T44N, R9E. The land surface elevation at the well is approximately 750 ft.

A drillers log of Well No. 2 follows:

Strata	*Thickness (ft)*	*Depth (ft)*
Top soil	6	6
Gravel	34	40
Sand with clay	50	90
Gravel	8	98
Sand and gravel	10	108

A 12-in. diameter hole was drilled to a depth of 108 ft. The well is cased with 10-in. pipe from 2 ft above the pumphouse floor to a depth of 93 ft followed by 15 ft of 6-in. No. 14 slot Cook screen.

The pumping equipment presently installed is an 8-in., 10-stage Byron Jackson turbine pump (Type OKH, Serial No. 357006) set at 87 ft, rated at 275 gpm at about 195 ft TDH, and powered by a 20-hp 1760 rpm U.S. electric motor.

The following mineral analysis made by the Illinois Environmental Protection Agency (Lab. No. 02688) is for a water sample from the well collected November 9, 1971, after 30 min of pumping at 230 gpm.

WELL NO. 2, LABORATORY NO. 02688

		mg/l	*me/l*			*mg/l*	*me/l*
Iron	Fe	0.7	0.02	Silica	SiO_2	23	
Manganese	Mn	0.0		Fluoride	F	0.3	0.02
Ammonium	NH_4	0.3	0.01	Boron	B	0.0	
Sodium	Na	5.2	0.23	Nitrate	NO_3	0	
Potassium	K	0.9	0.02	Chloride	Cl	9.0	0.25
Calcium	Ca	84.8	4.23	Sulfate	SO_4	28	0.58
Magnesium	Mg	44	3.62	Alkalinity (as $CaCO_3$)		340	6.80
				Hardness (as $CaCO_3$)		392	
Barium	Ba	0.3		Total dissolved minerals		443	
Copper	Cu	0.0					
Cadmium	Cd	0.00		pH (as rec'd)	7.4		
Chromium	Cr	0.0		Radioactivity			
Lead	Pb	0.00		Alpha *pc/l*	0		
Mercury	Hg	<0.0005		±deviation	1		
Nickel	Ni	0.0		Beta *pc/l*	3		
Silver	Ag	0.0		±deviation	2		
Zinc	Zn	0.0					

HUNTLEY

The village of Huntley (1432) installed a public water supply in 1903. One well (No. 5) is in use and two other wells (Nos. 3 and 4) are available for emergency use. In 1950 there were 200 services, 180 were metered; the average and maximum daily pumpages were 40,000 and 80,000 gpd, respectively. In 1975 there were 600 services, all metered; the average and maximum daily pumpages were 301,938 and 500,000 gpd, respectively. The water from Well No. 5 is chlorinated, fluoridated, and treated with polyphosphate to keep iron in solution.

WELL NO. 1, finished in sand and gravel, was completed to a depth of 74.2 ft. This well was abandoned and capped in 1947. The well was located south of Main St. and west of Railroad St., approximately 306 ft S and 1800 ft E of the NW corner of Section 33, T43N, R7E. The land surface elevation at the well is approximately 889 ft.

The well was cased with 6-in. pipe to an unknown depth. In 1921 this well was cleaned and a new screen was installed.

WELL NO. 2, finished in sand and gravel, was completed to a depth of 74 ft. This well was abandoned and capped in 1954. The well was located about 6 ft north of Well No. 1, approximately 300 ft S and 1800 ft E of the NW corner of Section 33, T43N, R7E. The land surface elevation at the well is approximately 889 ft.

The well was cased with 6-in. steel pipe from above the floor of a 6-ft deep pit to a depth of 64 ft followed by 10 ft of screen. In 1921 the well was cleaned and a new screen was installed and in 1935 the screen was cleaned and reinstalled.

WELL NO. 3, finished in sand and gravel, was originally constructed to a depth of 69 ft, and then the well was deepened in May 1947 to a depth of 74 ft by W. R. Boetsch & Son, Crystal Lake. This well is available for emergency use. The well is located at the foot of the elevated tank just south of the business district, approximately 290 ft S and 1775 ft E of the NW corner of Section 33, T43N, R7E. The land surface elevation at the well is approximately 890 ft.

A 10-in. diameter hole was drilled to a depth of 74 ft. The well is cased with 10-in. ID pipe from 0.9 ft above the pumphouse floor to a depth of 54 ft followed by 20 ft of screen. In 1921 the well was cleaned and a new screen was installed and in 1935 the screen was cleaned and reinstalled.

In May 1947, W. R. Boetsch & Son, Crystal Lake, pulled the sand screen, cleaned and deepened the well about 5 ft, and reinserted a screen.

On July 17, 1947, the well reportedly produced 100 gpm for 6 hr with a drawdown of 3.0 ft from a nonpumping water

level of 23.3 ft below land surface.

The pumping equipment presently installed consists of a 5-hp 1800 rpm U.S. electric motor (Serial No. 2679408), a 6-in., 11-stage Aurora turbine pump (No. 11687) set at 50 ft, rated at 100 gpm at about 140 ft TDH, and has 50 ft of 4-in. column pipe. The well is equipped with 50 ft of airline.

A mineral analysis of a sample (Lab. No. 111119) collected July 17, 1947, after pumping for 6 hr at 100 gpm, showed the water to have a hardness of 395 mg/l, total dissolved minerals of 447 mg/l, and an iron content of 1.3 mg/l.

Prior to the construction of Well No. 4, a test well (No. 1-53), finished in sand and gravel, was completed in November 1953 to a depth of 76 ft by the Layne-Western Co., Aurora. The test well was located under the elevated tank on Woodstock St., approximately 250 ft S and 1800 ft E of the NW corner of Section 33, T43N, R7E.

A sample study summary log of Test Well No. 1-53 furnished by the State Geological Survey follows:

Strata	*Thickness (ft)*	*Depth (ft)*
PLEISTOCENE SERIES		
Soil, brown	5	5
Till, very gravelly, sandy	20	25
Sand, very gravelly, medium to very coarse	10	35
Gravel, very sandy, granular	27.5	62.5
Sand, very gravelly, medium to very coarse	2.5	65
Sand, silty, very fine to coarse	5	70
Sand, gravelly, medium to very coarse	6	76

WELL NO. 4, finished in sand and gravel, was completed in November 1953 to a depth of 63 ft (measured in 1974 at 61 ft deep) by the Layne-Western Co., Aurora. This well is available for emergency use. The well is located under the elevated tank 50 ft west of the test well, approximately 250 ft S and 1750 ft E of the NW corner of Section 33, T43N, R7E. The land surface elevation at the well is approximately 889 ft.

A drillers log of Well No. 4 follows:

Strata	*Thickness (ft)*	*Depth (ft)*
Till	1	1
Natural and black fill	2	3
Blue clay and boulders	37	40
Coarse gravel and boulders	23	63

A 34-in. diameter hole was drilled to a depth of 63 ft. The well is cased with 12-in. pipe from 1.7 ft above the pumphouse floor to a depth of 53 ft followed by 10 ft of 12-in. No. 8 (0.030 in.) Layne bronze shutter screen. The annulus between the bore hole and casing-screen assembly is filled with clay fill from 0 to 28 ft and with 11.5 yards of pea gravel and coarse sand from 28 to 63 ft.

A production test was conducted on November 11-12, 1953, by representatives of the driller, the State Water Survey, and Baxter and Woodman, Consulting Engineers. After 24 hr of pumping at rates of 219 to 323 gpm, the final drawdown was 10.0 ft from a nonpumping water level of 21.0 ft below land surface. Forty-two min after pumping was stopped, the water level had recovered to 25.8 ft. Well No. 2 was pumping during the first part of the test.

In September 1975, the nonpumping water level was reported to be 22 ft.

The pumping equipment presently installed consists of a 20-hp General Electric motor, an 8-in., 7-stage Johnston turbine pump set at 40 ft, rated at 250 gpm at about 200 ft TDH, and has 40 ft of 6-in. column pipe. A 5-ft section of 6-in. suction pipe is attached to the pump intake. The well is equipped with 40 ft of airline.

A partial analysis of a sample (Lab. No. 148164) collected November 7, 1958, after pumping for 5 min, showed the water to have a hardness of 440 mg/l, total dissolved minerals of 437 mg/l, and an iron content of 1.4 mg/l.

WELL NO. 5, finished in sand and gravel, was completed in October 1969 to a depth of 95 ft by the J. P. Miller Artesian Well Co., Brookfield. The well is located by the new elevated tank north of the village on the east side of Route 47, approximately 1865 ft S and 1535 ft E of the NW corner of Section 28, T43N, R7E. The land surface elevation at the well is approximately 900 ft.

A drillers log of Well No. 5 follows:

Strata	*Thickness (ft)*	*Depth (ft)*
Clay	20	20
Gravel	5	25
Blue clay	50	75
Sand and gravel	20	95

A 36-in. diameter hole was drilled to a depth of 95 ft. The well is cased with 12-in. pipe from land surface to a depth of 80 ft followed by 15 ft of 12-in. No. 50 slot Johnson stainless steel screen. The annulus between the bore hole and casing-screen assembly is filled with cement grout from 0 to 20 ft, with impervious fill from 20 to 50 ft, and with No. 2 Northern gravel from 50 to 95 ft.

Upon completion, the well reportedly produced 600 gpm for 24 hr with a drawdown of 30 ft from a nonpumping water level of 29 ft below land surface.

In January 1973, this well was treated with 1000 gal of acid by the Layne-Western Co., Aurora. After acidizing, the well reportedly produced 488 gpm with a drawdown of 41 ft from a nonpumping water level of 27 ft.

The pumping equipment presently installed consists of a 40-hp 1800 rpm U.S. Holloshaft electric motor (Serial No. RR-800-00-170-CR2023853), a 10-in., 4-stage Layne vertical turbine pump (Serial No. 62834) set at 70 ft, rated at 600 gpm at about 200 ft TDH, and has 70 ft of 8-in. column pipe. The well is equipped with 70 ft of airline.

The following mineral analysis made by the Illinois Environmental Protection Agency (Lab. No. B18268) is for a water sample from the well collected October 21, 1975, after 3.5 hr of pumping at 400 gpm.

WELL NO. 5, LABORATORY NO. B18268

		mg/l	me/l			mg/l	me/l
Iron	Fe	0.4		Silica	SiO_2	17	
Manganese	Mn	0.13		Fluoride	F	0.3	0.02
Ammonium	NH_4	0.1	0.01	Boron	B	0.1	
Sodium	Na	11	0.48	Nitrate	NO_3	0.8	0.01
Potassium	K	1.8	0.05	Chloride	Cl	20	0.56
Calcium	Ca	100	4.99	Sulfate	SO_4	83	1.73
Magnesium	Mg	54	4.44	Alkalinity (as $CaCO_3$)		386	7.72
Arsenic	As	0.00					
Barium	Ba	0.1		Hardness (as $CaCO_3$)		471	9.42
Copper	Cu	0.00					
Cadmium	Cd	0.00		Total dissolved minerals		532	
Chromium	Cr	0.00					
Lead	Pb	0.00					
Mercury	Hg	0.0000		pH (as rec'd)		8.3	
Nickel	Ni	0.0		Radioactivity			
Selenium	Se	0.00		Alpha *pc/l*		1.6	
Silver	Ag	0.00		±deviation		1.7	
Cyanide	CN	0.01		Beta *pc/l*		4.2	
Zinc	Zn	0.0		±deviation		2.0	

ISLAND LAKE

The village of Island Lake (1973) installed a public water supply in 1940. This village also extends into Lake County and two of the wells are located there. The water system is owned and operated by the Island Lake Water Co. Three wells (Nos. 1, 2, and 3) are in use. In 1952 there were 450 services, 350 were metered. In 1973 there were 580 services, all metered; the average and maximum daily pumpages were 47,022 and 70,000 gpd, respectively. The water is chlorinated and fluoridated.

WELL NO. 1 (Well 19-U), finished in sand and gravel, was completed in July 1940 to a depth of 116 ft (effective depth 115 ft) by Henry Boysen, Jr., Libertyville. The well is located at the corner of Midway and Fairfield Drives, approximately 1130 ft N and 190 ft E of the SW corner of Section 21, T44N, R9E, Lake County. The land surface elevation at the well is approximately 770 ft.

A drillers log of Well No. 1 follows:

Strata	*Thickness (ft)*	*Depth (ft)*
Yellow stoney gravel	40	40
Dirty gravel and sand	51	91
Gravel and sand	25	116

A 10-in. diameter hole was drilled to a depth of 116 ft. The well is cased with 10-in. wrought iron pipe from 1.2 ft above the floor of a 12-ft deep pit to a depth of 92 ft followed by 24 ft of 9.6-in. Cook screen. The screened section from top to bottom consists of 5 ft of No. 60 slot, 10 ft of No. 14 slot, and 8 ft of No. 40 slot with 1 ft of blank section at the bottom.

Upon completion, the well reportedly produced 503 gpm for 8 hr with a drawdown of 11 ft from a nonpumping water level of 29 ft below land surface.

On October 27, 1959, the nonpumping water level was reported to be 26 ft below land surface.

The well was acidized in 1960 by the Dow Chemical Co. and the yield was reportedly improved from 115 to 435 gpm.

On May 20, 1963, the nonpumping water level was reported to be 30 ft.

The pumping equipment presently installed consists of a 20-hp 1800 rpm U.S. electric motor, an 8-in., 11-stage Aurora turbine pump (No. 69213) set at 90 ft, rated at 200 gpm at about 250 ft TDH, and has 90 ft of 5-in. column pipe. The well is equipped with 90 ft of airline.

A mineral analysis made by the Illinois Environmental Protection Agency (Lab. No. C004680) of a sample collected December 18, 1973, after pumping for 30 min at 300 gpm, showed the water to have a hardness of 397 mg/l, total dissolved minerals of 466 mg/l, and an iron content of 1.4 mg/l.

WELL NO. 2 (Well K-9), finished in sand and gravel, was completed in June 1945 to a depth of 95 ft (reported in March 1960 at 92 ft deep) by Henry Boysen, Jr., Libertyville. The well is located at the corner of Eastway and Forest Drives, approximately 1385 ft S and 1255 ft E of the NW corner of Section 21, T44N, R9E, Lake County. The land surface elevation at the well is approximately 770 ft.

A drillers log of Well No. 2 follows:

Strata	*Thickness (ft)*	*Depth (ft)*
Gravel	36	36
Sand	48	84
Gravel	11	95

An 8-in. diameter hole was drilled to a depth of 95 ft. The well is cased with 8-in. steel pipe from 1 ft above land surface to a depth of 84 ft followed by 11 ft (10 ft slotted) of 8-in. No. 14 slot Cook red brass screen.

Upon completion, after pumping for 2 days, the well reportedly produced 280 gpm with a drawdown of 16 ft from

WATER WELL SEALING FORM

Illinois Department of Public Health
525 West Jefferson Street
Springfield, Illinois 62761

This form shall be submitted to this Department not more than 30 days after a potable water well, boring or monitoring well is sealed. Such wells are to be sealed not more than 30 days after they are abandoned in accordance with the sealing requirements in the Water Well Construction Code.

1. Ownership (Name of Controlling Party) Catty Corporation

2. Well Location: Church & Mill Streets
(address - lot #)
Huntley (city) McHenry (county)

General Description: Section 33 Township 43 N
Range 7 E

3. Year Drilled Unknown

4. Drilling Permit No. (and date, if known) Unknown

5. Type of Well: Bored _____ Drilled X Other _____

6. Total Depth 67 ft 6 in Diameter (inches) 19"

7. Formation clear of obstruction X yes _____ no

If no, depth - location of obstruction _____

8. DETAILS OF PLUGGING*.
Filled with 3/8" & under aggragate washed stone (gravel or other material) From 67'6" To 50'7" feet

Kind of plug 2 1/4 yds cement From 50'7" To 0 feet

Kind of plug Mixture of: From _____ To _____ feet
564 lbs Portland Cement
2000 lbs SAnd
1000 lbs Agg. Stone
10 lbs Plasticizer by Malon (Super)

Kind of plug 36 lbs Bentonite From _____ To _____ feet
per yard

Kind of plug _____ From _____ To _____ feet

9. CASING RECORD
Upper 3 feet of casing removed _____ Yes _____ No X

If well casing consists of brick, stone, concrete blocks, porous tile, or other porous material, casing was removed to a depth of 10 feet below the surface. Yes _____ No _____

10. Date Well was Sealed June (month) 23 (day) 1988 (year)

11. Licensed water well driller or other person approved by the Department performing well sealing
Marvin R. Nice
11762 U.S. Rt. 20 (address) Garden Prairie, (city) Ill (state) 61038
102 002458 (driller's number)

RECEIVED
JUL 01 1988
DIVISION OF ENVIRONMENTAL HEALTH

11/87

IL 482-0631

Important Notice:
This State Agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 83-0852. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center.

Kathy H.D Corp location — T43N, R7E Section 33 NW¼

McHenry Co., Kane Co.

		T43N R7E	T43N R6E	Kane Co. T42N R7E
1 mile radius	Sections:	27-29, 32-34		4
2 mile radius	Sections	20-22, 26, 30, 31, 33		3, 5
3 mile radius	Sections	14-19 23-25, 36	24, 25, 36	7-11
			8	

Kane Co. T42N R6W: 1

T43N R8W: 24, 25, 36

Kane Co. T42N R8W: 1

Total Sections) T43N R7E: 14-36

T43N R6E: 24, 25, 36

T43N R8E: 24, 25, 36

T42N R7E: 3-5, 7-11

T42N R6E: 1

T42N R8E: 1

White Copy – Ill. Dept. of Public Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

INSTRUCTIONS FOR DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1 Type of Well
a. Dug____. Bored____. Hole Diam. 6 in. Depth 260 ft.
Curb material _____. Buried Slab: Yes_____ No_____
b. Driven_____. Drive Pipe Diam._____in. Depth_____ft.
c. Drilled X. Finished in Drift_____. In Rock_____.
Tubular_____. Gravel Packed_____.
d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

2. Distance to Nearest:
Building _____ Ft. Seepage Tile Field _____
Cess Pool _____ Sewer (non Cast Iron) _____
Privy _____ Sewer (Cast Iron) _____
Septic Tank _____ Barnyard _____
Leaching Pit _____ Manure Pile _____
3. Well furnishes water for human consumption? Yes____ No____
4. Date well completed 8/18/80
5. Permanent Pump Installed? Yes X Date 10/23/80 No____
Manufacturer Aermotor Type sub Location _____
Capacity 50 gpm. Depth of Setting 84 Ft.
6. Well Top Sealed? Yes X No____ Type _____
7. Pitless Adapter Installed? Yes X No_____
Manufacturer Baker Model Number snappy
How attached to casing? compression
8. Well Disinfected? Yes X No_____
9. Pump and Equipment Disinfected? Yes X No_____
10. Pressure Tank Size 86 gal. Type captive air (2 tanks)
Location _____
11. Water Sample Submitted? Yes_____ No X
REMARKS:

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Matt Tures Sons Well No._____
Address 9810 Dundee Road, Huntley, IL 60142
Driller William M. Boetsch License No. 92-436
11. Permit No. 94441 Date 6/18/80
12. Water from limestone Formation 13. County McHenry
at depth 230 to 260 ft. Sec. 35 7A
14. Screen: Diam._____in. Twp. 43N
Length:_____ft. Slot_____ Rge. 7E
Elev._____

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
6	pvc	1	215
6	black steel	215	240

SHOW LOCATION IN SECTION PLAT
150'N, 330'W, SE/c SW SW (irrig. + commercial operation)

16. Size Hole below casing: 6 in.
17. Static level 60 ft. below casing top which is 1 ft. above ground level. Pumping level 120 ft. when pumping at 60 gpm for 2 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
blakk loam	4	4
yellow clay	6	10
sand, gravel	25	35
layered red clay, fine sand	60	95
gravel, sand	3	98
red clay, sand	82	180
very hard blue-green shale, layered limestone	50	230
gray limestone	30	260

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Wm. M. Boetsch DATE 11/20/80

IDPH 4.065
1/74 – KNB-1
(80671—12½M Sets—6-74)

White Copy – Ill. Dept. of Public Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug ____. Bored ____. Hole Diam. 24 in. Depth 85 ft.
   Curb material ____. Buried Slab: Yes ____ No ____
   b. Driven ____. Drive Pipe Diam. 12 in. Depth 65 ft.
   c. Drilled X. Finished in Drift X. In Rock ____.
   Tubular ____. Gravel Packed ¼ x 1/8 pea gravel
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
slurry	0	20

2. Distance to Nearest:
   Building ____ Ft. Seepage Tile Field ____
   Cess Pool ____ Sewer (non Cast iron) ____
   Privy ____ Sewer (Cast iron) ____
   Septic Tank ____ Barnyard ____
   Leaching Pit ____ Manure Pile ____
3. Well furnishes water for human consumption? Yes X No ____
4. Date well completed 6/14/79
5. Permanent Pump Installed? Yes X Date 2/4/80 No ____
   Manufacturer Sta-Rite Type sub Location ____
   Capacity 350 gpm. Depth of Setting 50 Ft.
6. Well Top Sealed? Yes X No ____ Type ____
7. Pitless Adapter Installed? Yes X No ____
   Manufacturer Baker Model Number 6PS1214WBWE04M
   How attached to casing? welded
8. Well Disinfected? Yes X No ____
9. Pump and Equipment Disinfected? Yes X No ____
10. Pressure Tank Size 250000 gal. Type ground storage
    Location ____
11. Water Sample Submitted? Yes X No ____

REMARKS:

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Wabash Tape Corp. Well No. ____
    Address 221 E. Main Street, Huntley, IL 60142
    Driller William M. Boetsch License No. 92-436
11. Permit No. 85993 Date 5/25/79
12. Water from gravel (Formation) 13. County McHenry
    at depth 60 to 85 ft. Sec. 33.1q
14. Screen: Diam. 12 in. Twp. 43N
    Length: 20 ft. Slot 100 Rge. 7E
    Elev. ____

SHOW LOCATION IN SECTION PLAT
200'N 100'W
SE/L NE NE
industrial

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
12	black steel	1	65

16. Size Hole below casing: 0 in.
17. Static level 19 ft. below casing top which is 1 ft. above ground level. Pumping level 47 ft. when pumping at 450 gpm for 2 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
top soil	1	1
sand, gravel	9	10
blue clay	15	25
peet	5	30
pink clay	30	60
gravel	25	85

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED ____ DATE 2/6/80

IDPH 4.065
1/74 – KNB-1
(5957) – 12.5M Sets – 6-74

White Copy – Ill. Dept. of Public Health
Yellow Copy – Driller or Contractor
Pink Copy – Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, ROOM 616, STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL / WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug____. Bored____. Hole Diam.____in. Depth____ft.
   Curb material____. Buried Slab: Yes____No____
   b. Driven____. Drive Pipe Diam.____in. Depth 51 ft.
   c. Drilled ✓. Finished in Drift ✓. In Rock____.
   Tubular____. Gravel Packed____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

2. Distance to Nearest:
   Building 10 Ft. Seepage Tile Field____
   Cess Pool____ Sewer (non Cast iron)____
   Privy____ Sewer (Cast iron)____
   Septic Tank 50 Barnyard____
   Leaching Pit____ Manure Pile____
3. Is water from this well to be used for human consumption?
   Yes ✓ No____
4. Date well completed March 7, 1969
5. Permanent Pump Installed? Yes ✓ No____
   Manufacturer Red Jacket Type Submersible
   Capacity 15 gpm. Depth of setting 42 ft.
6. Well Top Sealed? Yes ✓ No____
7. Pitless Adaptor Installed? Yes ✓ No____
8. Well Disinfected? Yes ✓ No____
9. Water Sample Submitted? Yes ✓ No____

REMARKS:

IDPH 4.065
10/68

Digest Well Dd.

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Harold + Adeline Kunde Well No.____
    Address____
    Driller____ License No.____
11. Permit No.____ Date____
12. Water from sand gravel (Formation) 13. County____
    at depth 48 to 51 ft.
14. Screen: Diam.____in.
    Length:____ft. Slot____
    Sec. 33 3e
    Twp. 43N
    Rge. 7E
    Elev.____

SHOW LOCATION IN SECTION PLAT
446'N 761'E
SW/c NE

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5	15 lb per ft	0	51
	youngstown		

16. Size Hole below casing: 5 in.
17. Static level 14 ft. below casing top which is 1½ ft above ground level. Pumping level 18 ft. when pumping at 24 gpm for 1 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
0 To 20 ft. yellow clay	20	
20-48 pink clay	28	
48-51 sandgravel	3	

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Harold Kunde DATE March 18, 1970

White Copy – Ill. Dept. of Public Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

INSTRUCTIONS TO DRILLER

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug ___. Bored ___. Hole Diam. 5 in. Depth 215 ft.
   Curb material ___. Buried Slab: Yes ___ No ___
   b. Driven ___. Drive Pipe Diam. ___ in. Depth ___ ft.
   c. Drilled x. Finished in Drift ___. In Rock x.
   Tubular ___. Gravel Packed ___.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
Cuttings	0	204

2. Distance to Nearest:
   Building 40 Ft. — Seepage Tile Field ___
   Cess Pool ___ — Sewer (non Cast iron) ___
   Privy ___ — Sewer (Cast iron) ___
   Septic Tank 68 — Barnyard ___
   Leaching Pit ___ — Manure Pile ___
3. Well furnishes water for human consumption? Yes x No ___
4. Date well completed 3/16/88
5. Permanent Pump Installed? Yes x Date 3/29/88 No ___
   Manufacturer Delta Type Subm Location in well
   Capacity 10 gpm. Depth of Setting 60 Ft.
6. Well Top Sealed? Yes x No ___ Type Williams Cap
7. Pitless Adapter Installed? Yes x No ___
   Manufacturer Williams Model Number B50AC
   How attached to casing? Locknut
8. Well Disinfected? Yes X No ___
9. Pump and Equipment Disinfected? Yes X No ___
10. Pressure Tank Size 80 gal. Type CaptiveAir
    Location Garage
11. Water Sample Submitted? Yes ___ No X

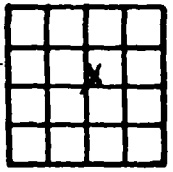
REMARKS:

Owner instructed to take sample.

Co # 26341

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Terry Todd Well No. ___
    Address 494 Lincoln Avenue Elgin, Ill
    Driller Marvin R. Nice License No. 102 002458
11. Permit No. 136004 Date 10/2/87
12. Water from Limestone (Formation) 13. County McHenry
    at depth 204 to 215 ft. Sec. 33.4e
14. Screen: Diam. ___ in. Twp. 43N
    Length: ___ ft. Slot ___ Rge. 7E
    Elev. ___



SHOW LOCATION IN SECTION PLAT
SW SW NE

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5"	Black Steel	0	204
	15 lbs per ft		

16. Size Hole below casing: 5 in.
17. Static level 30 ft. below casing top which is 1 ft. above ground level. Pumping level 40 ft. when pumping at 10 gpm for 4 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Top Soil	2	2
Yellow Clay & Sand	18	20
Sand	20	40
Gravel	20	60
Clay	144	204
Limestone	11	215

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED [signature] DATE 5/25/88

IDPH 4.065
1/74 – KNB-1

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug ___. Bored ___. Hole Diam. 5 in. Depth 40 ft.
   Curb material ___. Buried Slab: Yes ___ No ___
   b. Driven ___. Drive Pipe Diam. ___ in. Depth ___ ft.
   c. Drilled ✓. Finished in Drift ✓. In Rock ___.
   Tubular ___. Gravel Packed ___.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

2. Distance to Nearest:
   Building 3 Ft. Seepage Tile Field 80
   Cess Pool 75 Sewer (non Cast iron) ___
   Privy ___ Sewer (Cast iron) ___
   Septic Tank 75 Barnyard ___
   Leaching Pit ___ Manure Pile ___
3. Is water from this well to be used for human consumption?
   Yes ✓ No ___
4. Date well completed Oct 15 1968
5. Permanent Pump Installed? Yes ✓ No ___
   Manufacturer Red Jacket Type Submerge
   Capacity 8 gpm. Depth of setting 30 ft.
6. Well Top Sealed? Yes ✓ No ___
7. Pitless Adaptor Installed? Yes ✓ No ___
8. Well Disinfected? Yes ✓ No ___
9. Water Sample Submitted? Yes ___ No ___

REMARKS:

RECEIVED
NOV 8 1968
DIVISION OF SANITARY ENGINEERING
ILLINOIS DEPT. OF PUBLIC HEALTH

GEOLOGICAL WATER SURVEYS WATER WELL RECORD

Glen Cole, Jr.

10. Dept. Mines and Minerals permit No. NF5084 Year 1968
11. Property owner Glen Cole Jr. Well No. ___
    Address 1 mi E 1 mi S Grain City Illinois
    Driller Charles Sigrist License No. 92-135
12. Water from Wood gravel 13. County Mc Donough
    Formation
    at depth ___ to ___ ft.
    Sec. 33.7c
    Twp. 4N
    Rng. 1E
    Elev. ___
14. Screen: Diam. ___ in.
    Length: ___ ft. Slot ___

SHOW LOCATION IN SECTION PLAT
137'N 445'W
NSE¼ NW¼ W

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5	armco-		
	15 lb. per ft.		

16. Size Hole below casing: 5 in.
17. Static level 20 ft. below casing top which is 1½ ft. above ground level. Pumping level 30 ft. when pumping at 16 gpm for 1 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
0 To 20 ft. Dry sand gravel		
20 To 38 ft. gray sandy clay		
To 40 ft. Black coarse sand		
(CONTINUE ON SEPARATE SHEET IF NECESSARY)		

SIGNED Charles Sigrist DATE Nov 4. 1968
Charles Sigrist

White Copy – Ill. Dept. of Public Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

INSTRUCTIONS TO DR

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug____. Bored____. Hole Diam. 6 in. Depth 194 ft.
   Curb material _____. Buried Slab: Yes_____ No_____
   b. Driven_____. Drive Pipe Diam._____in. Depth_____ft.
   c. Drilled X. Finished in Drift_____. In Rock_____.
   Tubular_____. Gravel Packed_____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

2. Distance to Nearest:
   Building _____ Ft. Seepage Tile Field _____
   Cess Pool _____ Sewer (non Cast iron) _____
   Privy _____ Sewer (Cast iron) _____
   Septic Tank _____ Barnyard _____
   Leaching Pit _____ Manure Pile _____
3. Well furnishes water for human consumption? Yes____ No____
4. Date well completed _____
5. Permanent Pump Installed? Yes____ Date _____ No____
   Manufacturer _____ Type _____ Location _____
   Capacity_____gpm. Depth of Setting _____Ft.
6. Well Top Sealed? Yes____ No____ Type _____
7. Pitless Adapter Installed? Yes_____ No_____
   Manufacturer _____ Model Number _____
   How attached to casing? _____
8. Well Disinfected? Yes_____ No_____
9. Pump and Equipment Disinfected? Yes_____ No_____
10. Pressure Tank Size_____gal. Type _____
    Location _____
11. Water Sample Submitted? Yes_____ No_____

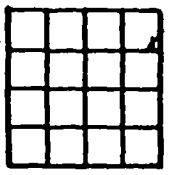
REMARKS:

This is a test hole - #2
Drilling completed 4/19/79

IDPH 4.065
1/74 – KNB-1

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Wabash Tape Corp. Well No. _____
    Address 221 E. Main Street, Huntley, IL 60142
    Driller William M. Boetsch License No. 92-436
11. Permit No. 84233 Date 3/27/79
12. Water from _____ (Formation)
    at depth _____ to _____ ft.
13. County McHenry
    Sec. 33 1/4
    Twp. 43N
    Rge. 7E
    Elev. _____
14. Screen: Diam._____in.
    Length:_____ft. Slot_____



SHOW LOCATION IN SECTION PLAT
75'N, 100'W, SE/c NE NE
(test hole #2)

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)

16. Size Hole below casing:_____in.
17. Static level _____ft. below casing top which is _____ft. above ground level. Pumping level _____ ft. when pumping at _____ gpm for _____ hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
black loam	5	5
yellow clay	6	11
sticky blue clay	9	20
water, sand	3	23
blue clay, fine sand	10	33
water, sand	4	37
red clay, sand	4	41
gravel, sand	2	43
stoney pink clay, sand	15	58

(CONTINUE ON SEPARATE SHEET IF NECESSARY) continued

SIGNED Wm M. Boetsch DATE 5/3/79

White Copy – Ill. Dept. of Public Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

INSTRUCTIONS TO DRI

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug____. Bored____. Hole Diam. 6 in. Depth 200 ft.
   Curb material _____. Buried Slab: Yes_____ No_____
   b. Driven _____. Drive Pipe Diam. _____ in. Depth _____ ft.
   c. Drilled X. Finished in Drift _____. In Rock _____.
   Tubular _____. Gravel Packed _____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

2. Distance to Nearest:
   Building _____ Ft. Seepage Tile Field _____
   Cess Pool _____ Sewer (non Cast iron) _____
   Privy _____ Sewer (Cast iron) _____
   Septic Tank _____ Barnyard _____
   Leaching Pit _____ Manure Pile _____
3. Well furnishes water for human consumption? Yes____ No_____
4. Date well completed _____
5. Permanent Pump Installed? Yes___ Date _____ No_____
   Manufacturer _____ Type _____ Location _____
   Capacity_____ gpm. Depth of Setting _____ Ft.
6. Well Top Sealed? Yes____ No____ Type _____
7. Pitless Adapter Installed? Yes_____ No_____
   Manufacturer _____ Model Number _____
   How attached to casing? _____
8. Well Disinfected? Yes_____ No _____
9. Pump and Equipment Disinfected? Yes_____ No _____
10. Pressure Tank Size_____ gal. Type _____
    Location _____
11. Water Sample Submitted? Yes_____ No _____

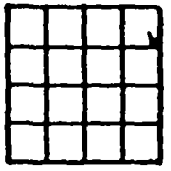
REMARKS:

This is a test hole - #1
Drilling completed 4/3/79

IDPH 4.065
1/74 – KNB-1

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Wabash Tape Corp. Well No. _____
    Address 221 E. Main Street, Huntley, IL 60142
    Driller William M. Boetsch License No. 92-436
11. Permit No. 84234 Date 3/27/79
12. Water from _____ (Formation)
    at depth _____ to _____ ft.
13. County McHenry
    Sec. 33 1/4
    Twp. 43N
    Rge. 7E
    Elev. _____
14. Screen: Diam. _____ in.
    Length: _____ ft. Slot _____



SHOW LOCATION IN SECTION PLAT
200'N, 80'W, S/C
NONE
(Test hole #1)

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)

16. Size Hole below casing: _____ in.
17. Static level _____ ft. below casing top which is _____ ft. above ground level. Pumping level _____ ft. when pumping at _____ gpm for _____ hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
top soil	5	5
brown clay	10	15
gray clay	20	35
stoney gray clay	5	40
gravel	5	45
stoney gray clay	15	60
gravel	32	92
pink clay	33	125
stoney pink clay	40	165
gravel	10	175
gravel and shale	25	200

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Wm. M. Boetsch DATE 5/5/79

White Copy – Ill. Dept. [illegible] Health
Yellow Copy – Well Contractor
Pink Copy – Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, ROOM 610, STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug____. Bored____. Hole Diam.____in. Depth____ft.
   Curb material____. Buried Slab: Yes____No____
   b. Driven____. Drive Pipe Diam.____in. Depth____ft.
   c. Drilled ✓. Finished in Drift ✓. In Rock____.
   Tubular____. Gravel Packed____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

2. Distance to Nearest:
   Building____Ft. Seepage Tile Field____
   Cess Pool____ Sewer (non Cast Iron)____
   Privy____ Sewer (Cast iron)____
   Septic Tank____ Barnyard____
   Leaching Pit____ Manure Pile____
3. Is water from this well to be used for human consumption?
   Yes____ No____
4. Date well completed May 28, 1969
5. Permanent Pump Installed? Yes____ No ✓
   Manufacturer____ Type____
   Capacity____gpm. Depth of setting____ft.
6. Well Top Sealed? Yes ✓ No____
7. Pitless Adaptor Installed? Yes____ No____
8. Well Disinfected? Yes____ No____
9. Water Sample Submitted? Yes____ No____

REMARKS: pump installed by owner

IDPH 4.065
10/68

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Oliver Hansen Well No.____
    Address____
    Driller Charlie Sigrist License No.____
11. Permit No.____ Date____
12. Water from sand gravel Formation 13. County____
    at depth 175 to 177 ft.
14. Screen: Diam.____in.
    Length:____ft. Slot____
    Sec. 28
    Twp. 43N
    Rge. 7E
    Elev.____

SHOW LOCATION IN SECTION PLAT
SW NW NW

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5in	15 lb per ft	0	177
	youngstown		

16. Size Hole below casing: 5 in.
17. Static level 27 ft. below casing top which is 15 ft above ground level. Pumping level 42 ft. when pumping at 2 gpm for 1 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
0-5 ft top soil black		
5-67 pink clay		
67-115 sand gravel		
115-175 pink clay		
175-177 sand gravel		

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Charlie Sigrist DATE 18 Sept 1970

White – Ill. Dept. of Public Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, ROOM 616, STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

1/67

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug ____. Bored ✓. Hole Diam. 5" in. Depth 242 ft.
   Curb material ____. Buried Slab: Yes ____ No ____
   b. Driven ____. Drive Pipe Diam. ____ in. Depth ____ ft.
   c. Drilled X. Finished in Drift ____. In Rock X.
   Tubular ____. Gravel Packed ____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
Mud Slurry	0	220'

2. Distance to Nearest:
   Building 30 Ft. Seepage Tile Field 75+
   Cess Pool ____ Sewer (non Cast Iron) ____
   Privy ____ Sewer (Cast iron) ____
   Septic Tank 50+ Barnyard ____
   Leaching Pit ____ Manure Pile ____
3. Is water from this well to be used for human consumption?
   Yes ✓ No ____
4. Date well completed ____
5. Permanent Pump Installed? Yes ✓ No ____
   Manufacturer Red Jacket Type Submersible
   Capacity 10 gpm. Depth of setting 94' ft.
6. Well Top Sealed? Yes ✓ No ____
7. Pitless Adaptor Installed? Yes ✓ No ____
8. Well Disinfected? Yes ✓ No ____
9. Water Sample Submitted? Yes ✓ No ____

REMARKS:

GEOLOGICAL WATER SURVEYS WATER WELL RECORD

10. Dept. Mines and Minerals permit No. 31403 Year 74
11. Property owner Kenneth Barkley Well No. ____
    Address Cindy Jo Avenue, Huntley Ill. 60142
    Driller Martin Jurs & Son License No. 102-7
12. Water from Limestone Formation 13. County McHenry
    at depth 220 to 242 ft. Sec. 28.5 h
14. Screen: Diam. — in. Twp. 43N
    Length: — ft. Slot — Rng. 7E
    Elev. 875
15. Casing and Liner Pipe 318'S 140'W Nof NE NW

Diam. (In.)	Kind and Weight	From (Ft.)	To (Ft.)
5"	GALVANIZED	0	220

SHOW LOCATION IN SECTION PLAT
2500' from W. line of sec.
200' from N. line of sec.

16. Size Hole below casing: 4 3/4 in.
17. Static level 50 ft. below casing top which is 2 ft. above ground level. Pumping level 54 ft. when pumping at 15+ gpm for 1 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Black Loam	1	3'
Yellow Clay	3	15'
Brown Clay	15	20
Grey Clay	20	40
Red Clay & Sand	40	190
Grey Sand & Clay	190	210
Limestone	210	242
(CONTINUE ON SEPARATE SHEET IF NECESSARY)		

SIGNED James A. Hutchings DATE 12/17/74
Signed Well Drlg.

White Copy – Ill. Dept. of Public Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug ____. Bored ____. Hole Diam. 5 in. Depth 75 ft.
   Curb material ____. Buried Slab: Yes ____ No ____
   b. Driven ____. Drive Pipe Diam. 5 in. Depth 75 ft.
   c. Drilled XX. Finished in Drift XX. In Rock ____.
   Tubular ____. Gravel Packed ____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

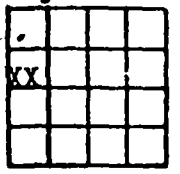
2. Distance to Nearest:
   Building 25 Ft. Seepage Tile Field 80
   Cess Pool ____ Sewer (non Cast iron) ____
   Privy ____ Sewer (Cast iron) ____
   Septic Tank 90 Barnyard ____
   Leaching Pit ____ Manure Pile ____
3. Well furnishes water for human consumption? Yes XX No ____
4. Date well completed June 21, 1976
5. Permanent Pump Installed? Yes XX Date June 21 No ____
   Manufacturer Barnes Type sub. Location in well
   Capacity 25 gpm. Depth of Setting 42 Ft.
6. Well Top Sealed? Yes XX No ____ Type Wells
7. Pitless Adapter Installed? Yes XX No ____
   Manufacturer Wells Model Number ____
   How attached to casing? U-bolt
8. Well Disinfected? Yes XX No ____
9. Pump and Equipment Disinfected? Yes XX No ____
10. Pressure Tank Size 202 gal. Type ~~Well-X-Trol~~
    Location ~~in basement~~
11. Water Sample Submitted? Yes XX No ____

REMARKS:

IDPH 4.065
1/74 – KNB-1

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner T. Spradlin Well No. 1
    Address Garlief Road, Huntley
    Driller Paul Barker License No. ~~92-563~~
11. Permit No. 44959 Date ~~Feburary 27, 1976~~
12. Water from Gravel Formation
    at depth 25 to 75 ft.
13. County McHenry
    Sec. 28 SE¼
    Twp. 43N
    Rge. 7E
    Elev. ____
14. Screen: Diam. ____ in.
    Length: ____ ft. Slot ____



SHOW LOCATION IN SECTION PLAT
70'N, 80'E of SW in NW¼

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5	15 per. ft.	0	75

16. Size Hole below casing: 5 in.
17. Static level 20 ft. below casing top which is 1 ft. above ground level. Pumping level 60 ft. when pumping at 25 gpm for 6 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Topsoil	0	3
Clay & Gravel	3	15
Gray Clay	15	25
Clay & Gravel	25	70
Gravel	70	75

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Paul Barker DATE Aug 1, 1976

White Copy – Ill. Dept. of ...ealth
Yellow Copy – ...ll Contractor
Blue Copy – Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUI... ...ND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, ROOM 616, ...ATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL / WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

...67

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug ____. Bored ____. Hole Diam. 6 in. Depth 115 ft.
   Curb material ____. Buried Slab: Yes ____ No ____
   b. Driven ____. Drive Pipe Diam. ____ in. Depth ____ ft.
   c. Drilled ✓. Finished in Drift ✓. In Rock ____.
   Tubular ____. Gravel Packed ____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

2. Distance to Nearest:
   Building 25 Ft. Seepage Tile Field 75
   Cess Pool ____ Sewer (non Cast iron) ____
   Privy 60 Sewer (Cast iron) ✓
   Septic Tank 80 Barnyard 50
   Leaching Pit ditto Manure Pile ditto
3. Is water from this well to be used for human consumption?
   Yes ✓ No ____
4. Date well completed July 11, 1968
5. Permanent Pump Installed? Yes ✓ No ____
   Manufacturer Redcracket Type Submerga
   Capacity 24 gpm. Depth of setting 63 ft.
6. Well Top Sealed? Yes ✓ No ____
7. Pitless Adaptor Installed? Yes ✓ No ____
8. Well Disinfected? Yes ✓ No ____
9. Water Sample Submitted? Yes ✓ No ____

REMARKS:

GEOLOGICAL WATER SURVEYS WATER WELL RECORD

10. Dept. Mines and Minerals permit No. NF 4305 Year 1968
11. Property owner Arthurst State Well No. ____
    Address Capitol Building Springfield, Ill.
    Driller Charles Sigrist License No. 92-135
12. Water from Sand & gravel (Formation)
    at depth 100 to 115 ft.
13. County Sangamon
    Sec. 26.7a
    Twp. 15N
    Rng. 7E
    Elev. ____
14. Screen: Diam. ____ in.
    Length: ____ ft. Slot none

SHOW LOCATION IN SECTION PLAT
SE SW SW

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
6	plastic steel		
	1 1/2 pound		

16. Size Hole below casing: 6 in.
17. Static level 38 ft. below casing top which is 2 ft. above ground level. Pumping level 52 ft. when pumping at 24 gpm for 1 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Black top soil	6	6 ft
Brown stoney clay	6	40
sand stony blue clay	40	100
sand gravel	100	115
(CONTINUE ON SEPARATE SHEET IF NECESSARY)		

SIGNED Charles Sigrist DATE July 5, 1968

White Copy – Ill. Dept. of Public Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

INSTRUCTIONS TO DRI...

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug____. Bored____. Hole Diam. 5 in. Depth 210 ft.
   Curb material _____. Buried Slab: Yes_____ No_____
   b. Driven _____. Drive Pipe Diam. _____in. Depth _____ft.
   c. Drilled ____. Finished in Drift _____. In Rock ____.
   Tubular _____. Gravel Packed _____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
Cement	0	210

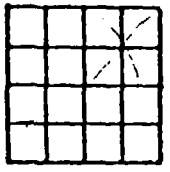
2. Distance to Nearest:
   Building 25 Ft. Seepage Tile Field _____
   Cess Pool _____ Sewer (non Cast iron) _____
   Privy _____ Sewer (Cast iron) _____
   Septic Tank 75 Barnyard _____
   Leaching Pit _____ Manure Pile _____
3. Well furnishes water for human consumption? Yes X No _____
4. Date well completed 1/30/81
5. Permanent Pump Installed? Yes X Date 2/30/81 No _____
   Manufacturer Red Jacket Type Sub Location in well
   Capacity 15 gpm. Depth of Setting 190 Ft.
6. Well Top Sealed? Yes X No _____ Type Illinois Cap
7. Pitless Adapter Installed? Yes _____ No X
   Manufacturer _____ Model Number _____
   How attached to casing? Locknut
8. Well Disinfected? Yes X No _____
9. Pump and Equipment Disinfected? Yes X No _____
10. Pressure Tank Size 30 gal. Type Conine
    Location Basement
11. Water Sample Submitted? Yes _____ No X

REMARKS:

IDPH 4.065
1/74 – KNB-1

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Randy Thompson Well No. _____
    Address Box 1021 Cuttler, Illinois
    Driller Marvin Rice License No. 192 0027 P
11. Permit No. 2224 Date 1/15/81
12. Water from Limestone (Formation)
    at depth 210 to 280 ft.
13. County Jefferson
    Sec. 29
    Twp. 1S
    Rge. 2E
    Elev. _____
14. Screen: Diam. _____in.
    Length: _____ft. Slot _____



SHOW LOCATION IN SECTION PLAT
Lot #2 Pinecrest Sub.
NE

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5"	Galv. Steel 15 lbs per ft	0	210

16. Size Hole below casing: 5 in.
17. Static level 45 ft. below casing top which is 1 ft. above ground level. Pumping level 65 ft. when pumping at 10 gpm for 4 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Top Soil	25	25
Sand & Gravel w/ some shale	100	125
Shale	85	210
Limestone	70	280

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED _____ DATE 10/19/81

White Copy – Ill. Dept. of Public Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug ____. Bored ____. Hole Diam. 5 in. Depth 184 ft.
   Curb material ____. Buried Slab: Yes ____ No ____
   b. Driven ____. Drive Pipe Diam. ____ in. Depth ____ ft.
   c. Drilled xx. Finished in Drift ____. In Rock ____.
   Tubular ____. Gravel Packed ____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

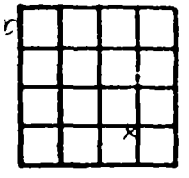
2. Distance to Nearest:
   Building ____ Ft. Seepage Tile Field ____
   Cess Pool ____ Sewer (non Cast iron) ____
   Privy ____ Sewer (Cast iron) ____
   Septic Tank ____ Barnyard ____
   Leaching Pit ____ Manure Pile ____
3. Well furnishes water for human consumption? Yes xx No ____
4. Date well completed 5/5/76
5. Permanent Pump Installed? Yes x Date ____ No ____
   Manufacturer Aermotor Type sub. Location ____
   Capacity 10 gpm. Depth of Setting 60 Ft.
6. Well Top Sealed? Yes xx No ____ Type Watertite
7. Pitless Adapter Installed? Yes xx No ____
   Manufacturer Baker Model Number Sanppy
   How attached to casing? Compression
8. Well Disinfected? Yes xx No ____
9. Pump and Equipment Disinfected? Yes xx No ____
10. Pressure Tank Size 80 gal. Type MEDALIST
    Location ____
11. Water Sample Submitted? Yes ____ No xx

REMARKS:

IDPH 4.065
1/74 – KNB-1

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Mr. Jay Locasio Well No. ____
    Address 1312 N. Green AMeadow Streamwood, Ill
    Driller William M. Bmetsch License No. 92-436
11. Permit No. ~~xxxxx~~ 46028 Date 4/8/76
12. Water from Limestone (Formation) 13. County McHenry
    at depth 184 to +++ ft. Sec. 23.
14. Screen: Diam. ____ in. Twp. 43N
    Length: ____ ft. Slot ____ Rge. 7E
    Elev. ____



SHOW LOCATION IN SECTION PLAT
NE SW SE

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5	PVC	1	184

16. Size Hole below casing: 5 in.
17. Static level 30 ft. below casing top which is 1 ft. above ground level. Pumping level 50 ft. when pumping at 8 gpm for 2 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Top soil	1	1
Brown clay	11	12
Sand and gravel	13	25
Pink clay and gravel steakds	145	170
Gray shale	10	180
Shell rock and	4	184
Limestone	+++	184+

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED William M Bmetsch DATE 5/24/76

White Copy – Ill. Dept. of Public Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, WATER AND SANITATION PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug____. Bored____. Hole Diam. 5 in. Depth 75 ft.
   Curb material _____. Buried Slab: Yes_____ No_____
   b. Driven _____. Drive Pipe Diam. _____ in. Depth _____ ft.
   c. Drilled X. Finished in Drift _____. In Rock _____.
   Tubular _____. Gravel Packed _____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

2. Distance to Nearest:
   Building _____ Ft. Seepage Tile Field _____
   Cess Pool _____ Sewer (non Cast iron) _____
   Privy _____ Sewer (Cast iron) _____
   Septic Tank _____ Barnyard _____
   Leaching Pit _____ Manure Pile _____
3. Well furnishes water for human consumption? Yes X No_____
4. Date well completed 10/30/79
5. Permanent Pump Installed? Yes X Date 11/2/79 No_____
   Manufacturer Aermotor Type sub Location _____
   Capacity 12 gpm. Depth of Setting 40 Ft.
6. Well Top Sealed? Yes X No_____ Type _____
7. Pitless Adapter Installed? Yes X No_____
   Manufacturer Baker Model Number snappy
   How attached to casing? compression
8. Well Disinfected? Yes X No_____
9. Pump and Equipment Disinfected? Yes X No_____
10. Pressure Tank Size 42 gal. Type captive air
    Location _____
11. Water Sample Submitted? Yes_____ No X

REMARKS:

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Kenco Enterprises Well No. _____
    Address 4619 Linden, Crystal Lake, IL 60014
    Driller William M. Boetsch License No. 92-436
11. Permit No. 84661 Date 4/16/79
12. Water from gravel (Formation) 13. County McHenry
    at depth 35 to 75 ft.
14. Screen: Diam. 5 in.
    Length: 5 ft. Slot 20
    Sec. 24
    Twp. 43N
    Rge. 8E
    Elev. _____

SHOW LOCATION IN SECTION PLAT
lot # 285 Front Valley NW

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5	pvc	1	70

16. Size Hole below casing: 5 in.
17. Static level 15 ft. below casing top which is 1 ft. above ground level. Pumping level 40 ft. when pumping at 25 gpm for 2 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
black loam	8	8
gravel, sand	10	18
find sand	17	35
gravel	40	75

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Wm M. Boetsch DATE 11/5/79

IDPH 4.065
1/74 – KNB-1
(59671—12½M Sets—6-74)

WATER WELL SEALING FORM

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
525 WEST JEFFERSON STREET
SPRINGFIELD, ILLINOIS 62761

RETURN ALL COPIES TO IDPH

TYPE OR PRESS FIRMLY

This form shall be submitted to this Department not more than 30 days after a potable water well, boring or monitoring well is sealed. Such wells are to be sealed not more than 30 days after they are abandoned in accordance with the sealing requirements in the Water Well Construction Code.

1. Ownership (Name of Controlling Party) U.S. Dismantelment

2. Well
Location: 8208 Miller Rd. Crystal Lake, Il. McHenry County
Address - Lot Number City County

General Description: Section 24.1e Township 43N (N)(S) Range 7E (E)(W)
SE Quarter of the SE Quarter of the NE Quarter

3. Year Drilled unknown

4. Drilling Permit No.(and date, if known) unknown

5. Type of Well: Bored _____ Drilled XXX Other _____

6. Total Depth 180' Diameter (inches) 5"

7 Formation clear of obstruction XXXXX yes _____

RECEIVED
MAR 08 1989
DIVISION OF ENVIRONMENTAL HEALTH

8. DETAILS OF PLUGGING

Filled with Pea Gravel (cement or other materials) from 180 to 80 ft.
Kind of plug Cement from 80 to 10 ft.
Filled with _____ from _____ to _____ ft.
Kind of plug _____ from _____ to _____ ft.
Filled with _____ from _____ to _____ ft.
Kind of plug _____ from _____ to _____ ft.

9. CASING RECORD
Upper 3 feet of casing removed XXXX Yes _____ No

If well casing consists of brick, stone, concrete blocks, porous tile, or other porous material, casing was removed to a depth of 10 feet below the surface _____ Yes _____ No.

10. Date well was sealed: Month March Day 2 Year 1989.

11. Licensed water well driller or other person approved by the Department performing well sealing:
K & K Well Drilling Inc. 102-000841
Name Complete License Number
701 First St. Batavia, Il. 60510
Address City State/Zip

8/88

This State Agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 85-0863. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center.

IL 482-0631

White Copy – Ill. Dept. of Public Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug ____. Bored ____. Hole Diam. 5 in. Depth ____ ft.
   Curb material ____. Buried Slab: Yes ____ No ____
   b. Driven ✓. Drive Pipe Diam. 5 1/2 in. Depth 100 ft.
   c. Drilled ✓. Finished in Drift ____. In Rock ✓.
   Tubular ____. Gravel Packed ____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

2. Distance to Nearest:
   Building 20 Ft. — Seepage Tile Field ____
   Cess Pool ____ — Sewer (non Cast iron) ____
   Privy ____ — Sewer (Cast iron) ____
   Septic Tank 60 — Barnyard ____
   Leaching Pit ____ — Manure Pile ____
3. Well furnishes water for human consumption? Yes ✓ No ____
4. Date well completed ____
5. Permanent Pump Installed? Yes ✓ Date ____ No ____
   Manufacturer SEARS Type SUB Location Well
   Capacity 8 gpm. Depth of Setting 40 Ft.
6. Well Top Sealed? Yes ✓ No ____ Type ____
7. Pitless Adapter Installed? Yes ✓ No ____
   Manufacturer Merrill Model Number SPR5
   How attached to casing? Bolted
8. Well Disinfected? Yes ✓ No ____
9. Pump and Equipment Disinfected? Yes ✓ No ____
10. Pressure Tank Size 42 gal. Type GALV.
    Location Basement
11. Water Sample Submitted? Yes ✓ No ____

REMARKS:

IDPH 4.065
1/74 – KNB-1

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Jim Botarzuk Well No. ____
    Address Kargers Road Algonquin
    Driller Wayne Burgess License No. 102-213
11. Permit No. 52868 Date 9-30-76
12. Water from Rock (Formation)
    at depth — to — ft.
13. County McHenry
    Sec. 24th
    Twp. 43N
    Rge. 8E
    Elev. ____
14. Screen: Diam. — in.
    Length: — ft. Slot —

SHOW LOCATION IN SECTION PLAT
NW NW NE

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5"	BLK #5/Ft	0	98

16. Size Hole below casing: 4 3/4 in.
17. Static level 20 ft. below casing top which is 1 ft. above ground level. Pumping level 20 ft. when pumping at 8 gpm for 1 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
OVER Burden	98	98
Rock	2	100

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Wayne Burgess DATE 8-29-78

White Copy – Dept. of Public Health
Copy – Well Contractor
Blue Copy – Well Owner

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug____. Bored____. Hole Diam. 5 in. Depth 295 ft.
   Curb material ____. Buried Slab: Yes____ No____
   b. Driven____. Drive Pipe Diam.____ in. Depth____ ft.
   c. Drilled X. Finished in Drift____. In Rock X.
   Tubular____. Gravel Packed____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
	Cuttings	

2. Distance to Nearest:
   Building ____ Ft. Seepage Tile Field ____
   Cess Pool ____ Sewer (non Cast Iron) ____
   Privy ____ Sewer (Cast Iron) ____
   Septic Tank ____ Barnyard ____
   Leaching Pit ____ Manure Pile ____
3. Well furnishes water for human consumption? Yes X No____
4. Date well completed December 28, 1978
5. Permanent Pump Installed? Yes X Date 12/30/79 No____
   Manufacturer Red Jacket Type Sub. Location Well
   Capacity____ gpm. Depth of Setting 130 Ft.
6. Well Top Sealed? Yes X No____ Type Cap
7. Pitless Adapter Installed? Yes X No____
   Manufacturer Williams Model Number B 50 AC
   How attached to casing? Pressure
8. Well Disinfected? Yes X No____
9. Pump and Equipment Disinfected? Yes X No____
10. Pressure Tank Size 82 gal. Type Con Aire
    Location Basement
11. Water Sample Submitted? Yes____ No X

REMARKS: Owner Instructed. Well was chlorinated

IDPH 4.065
1/74 – KNB-1

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Lawrence Modle Well No. ____
    Address 1712 Pleasant St. McHenry, Ill.
    Driller James Knierim License No. 1102-27
11. Permit No. 73697 Date 4/28/78
12. Water from Rock Formation at depth 70 to 295 ft.
13. County McHenry
    Sec. 24.5a
    Twp. 43N
    Rge. 7E
    Elev. ____
14. Screen: Diam.____ in. Length:____ ft. Slot ____

SHOW LOCATION IN SECTION PLAT
SE SE SW

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5"	GVC	0	199

16. Size Hole below casing: 5 in.
17. Static level 70 ft. below casing top which is 1 ft. above ground level. Pumping level RD ft. when pumping at ____ gpm for ____ hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Top Soil	0	2
Clay	2	42
Sand & Gravel	42	47
Clay	47	142
Sandy Gravel	142	175
Clay	175	199
Shale	199	275
Rock	275	295

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED James Knierim DATE 10/18/79

White Copy – Ill. Dept. of Public Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED. MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, ROOM 616, STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug____. Bored____. Hole Diam.____in. Depth____ft.
   Curb material____. Buried Slab: Yes____No____
   b. Driven____. Drive Pipe Diam. 5 in. Depth 172 ft.
   c. Drilled ✓. Finished in Drift ✓. In Rock____.
   Tubular____. Gravel Packed____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

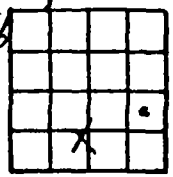
2. Distance to Nearest:
   Building 5 Ft. Seepage Tile Field 100
   Cess Pool____ Sewer (non Cast iron)____
   Privy____ Sewer (Cast iron)____
   Septic Tank 75 Barnyard____
   Leaching Pit____ Manure Pile____
3. Is water from this well to be used for human consumption?
   Yes ✓ No____
4. Date well completed 12/14/71
5. Permanent Pump Installed? Yes ✓ No____
   Manufacturer Jacuzzi Type Submersible
   Capacity 12 gpm. Depth of setting 130 ft.
6. Well Top Sealed? Yes ✓ No____
7. Pitless Adaptor Installed? Yes ✓ No____
8. Well Disinfected? Yes ✓ No____
9. Water Sample Submitted? Yes____ No ✓

REMARKS:

IDPH 4.065
10/68

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Ray Pleta Well No.____
    Address Edgenhauser Rd., Huntley
    Driller Peter Pilgard License No. 92-72
11. Permit No. 13299 Date____
12. Water from Coarse Sand (Formation) 13. County McHenry
    at depth 172 to____ft.
14. Screen: Diam.____in.
    Length:____ft. Slot____
    Sec. 24.5b
    Twp. 43N
    Rge. 7E
    Elev.____



SHOW LOCATION IN SECTION PLAT
NE SE SW

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5	Galv - 15 lbs	0	272

16. Size Hole below casing: 5 in.
17. Static level 50 ft. below casing top which is 1 ft. above ground level. Pumping level 65 ft. when pumping at 2 gpm for 3 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Sand & Gravel	60	60
Sandy Red Clay & Gravel	23	83
Sand & Gravel	35	118
Red Clay, Sand & Gravel	22	143
Sand & Gravel	27	170
Coarse Brown Sand	2	172

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED John Pilgard DATE 12/30/71

White Copy – Ill. Dept. of Public Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFO AT[illegible] REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug____. Bored____. Hole Diam 5 in. Depth 128 ft.
   Curb material _____. Buried Slab: Yes____ No____
   b. Driven _____. Drive Pipe Diam. 5 in. Depth 128 ft.
   c. Drilled 1. Finished in Drift 1. In Rock____.
   Tubular _____. Gravel Packed _____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

2. Distance to Nearest:
   Building 35 Ft. Seepage Tile Field _____
   Cess Pool _____ Sewer (non Cast iron) _____
   Privy _____ Sewer (Cast iron) _____
   Septic Tank 100 Barnyard _____
   Leaching Pit _____ Manure Pile _____
3. Well furnishes water for human consumption? Yes 1 No____
4. Date well completed 10-30-77
5. Permanent Pump Installed? Yes 1 Date 10-31-77 No____
   Manufacturer STA Rite Type SUB Location Well
   Capacity 8 gpm. Depth of Setting 80 Ft.
6. Well Top Sealed? Yes 1 No____ Type CAP
7. Pitless Adapter Installed? Yes 1 No____
   Manufacturer Merrill Model Number SPK 5
   How attached to casing? Bolt on
8. Well Disinfected? Yes 1 No____
9. Pump and Equipment Disinfected? Yes 1 No____
10. Pressure Tank Size 82 gal. Type CON AIRE
    Location Basement
11. Water Sample Submitted? Yes 1 No____

REMARKS:

IDPH 4.065
1/74 – KNB-1

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner John Spiniolas Well No. _____
    Address Crystal Lake
    Driller W. Burgess License No. 102-213
11. Permit No. 67337 Date 9-28-77
12. Water from GRAVEL (Formation) 13. County Mc Henry
    at depth 128 to 128 ft.
14. Screen: Diam. — in.
    Length: — ft. Slot —
    Sec. 24 Twp. 43 N Rge. 7 E Elev. _____

SHOW LOCATION IN SECTION PLAT
SE NW NW

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5	BLK 6/Ft	0	128

16. Size Hole below casing: GRAVEL in.
17. Static level 40 ft. below casing top which is 1 ft. above ground level. Pumping level 40 ft. when pumping at 8 gpm for 1 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
OVER BURDEN	128	128
Water Bearing GRAVEL	12	8

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Wayne Burgess DATE 2-2-78

White Co... – Ill. D... ic Health
Yellow ... l Contractor
Blue Co... – Well Owner

FILL IN ALL PERTINENT INFORMATION REQUI... TO AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, ROOM ... TE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLO... AL, WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug____. Bored____. Hole Diam. 5 in. Depth 275 ft.
   Curb material ____. Buried Slab: Yes____ No____
   b. Driven____. Drive Pipe Diam. ____in. Depth ____ft.
   c. Drilled XX. Finished in Drift ____. In Rock ____.
   Tubular ____. Gravel Packed ____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

2. Distance to Nearest:
   Building 20 Ft. Seepage Tile Field ____
   Cess Pool ____ Sewer (non Cast iron) ____
   Privy ____ Sewer (Cast iron) ____
   Septic Tank 75 Barnyard ____
   Leaching Pit ____ Manure Pile ____
3. Is water from this well to be used for human consumption?
   Yes XX No____
4. Date well completed Feb. 15, 1972
5. Permanent Pump Installed? Yes XX No____
   Manufacturer Barns Type Subb
   Capacity 10 gpm. Depth of setting 125 ft.
6. Well Top Sealed? Yes XX No____
7. Pitless Adaptor Installed? Yes____ No____
8. Well Disinfected? Yes XX No____
9. Water Sample Submitted? Yes XX No____

REMARKS:

IDPH 4.065
10/68

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Gary LGrau Well No. 1
    Address Halligus Road Huntly, Ill.
    Driller Paul Barker License No. 92-563
11. Permit No. W-13170 Date Dec. 2, 1971
12. Water from Gravel Formation 13. County McHenry
    at depth ____ to ____ ft.
14. Screen: Diam. ____ in.
    Length: ____ ft. Slot ____
    Sec. 15 ~~10~~
    Twp. 43n
    Rge. 7E
    Elev. ____

SHOW LOCATION IN SECTION PLAT
100'N 80'W SE/c SE NW NE

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5"	15# Galv.	0	275

16. Size Hole below casing: 5 in.
17. Static level 75 ft. below casing top which is 1 ft. above ground level. Pumping level 75 ft. when pumping at 20 gpm for 1 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
LTop Soil	0-25	25
Calay	25-165	165
Red Clay	165-205	205
Sand	205-235	235
Gravel	235-275	275

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Paul Barker DATE 8-5-72
Barker Drilling Co.

White Copy – Ill. Dept. of Public Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, ROOM 616, STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL / WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug ____. Bored ____. Hole Diam. 4 in. Depth 195 ft.
   Curb material ____. Buried Slab: Yes ____ No ____
   b. Driven ____. Drive Pipe Diam. ____ in. Depth ____ ft.
   c. Drilled X. Finished in Drift ____. In Rock X.
   Tubular ____. Gravel Packed ____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
MUD SLURRY	0	191

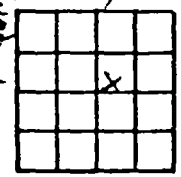
2. Distance to Nearest:
   Building ____ Ft. Seepage Tile Field 75+
   Cess Pool ____ Sewer (non Cast iron) ____
   Privy ____ Sewer (Cast iron) ____
   Septic Tank 50+ Barnyard ____
   Leaching Pit ____ Manure Pile ____
3. Is water from this well to be used for human consumption?
   Yes X No ____
4. Date well completed 8/23/74
5. Permanent Pump Installed? Yes X No ____
   Manufacturer RED JACKET Type Submersible
   Capacity 12 gpm. Depth of setting 105' ft.
6. Well Top Sealed? Yes X No ____
7. Pitless Adaptor Installed? Yes X No ____
8. Well Disinfected? Yes ____ No ____
9. Water Sample Submitted? Yes X No ____

REMARKS:

IDPH 4.065
10/68

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner WEST HAVEN BLDRS (Arthur Sturtevant) Well No. ____
    Address HALIGAS RD HUNTLEY
    Driller MARTIN IVES & SON License No. 102-7
11. Permit No. 27610 Date 2/13/74
12. Water from ROCK (SILURIAN) Formation 13. County McHENRY
    at depth 161 to 195 ft. Sec. 15
    14. Screen: Diam. — in. Twp. 43N
    Length: — ft. Slot — Rge. 7E
    Elev. 870



SHOW LOCATION IN SECTION PLAT
SW SW NE

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
4"	GALV	0	191

16. Size Hole below casing: 4 in.
17. Static level 55 ft. below casing top which is 2 ft. above ground level. Pumping level 105 ft. when pumping at 12 gpm for 1 hours.

18. FORMATIONS PASSED THROUGH		THICKNESS	DEPTH OF BOTTOM
YELLOW CLAY	0-20'		
SAND & GRAVEL	20-30'		
GREY SAND & CLAY	30-40'		
FINE SAND & GRAVEL	40-45'		
BROWN SAND-CLAY-GRAVEL	45-170'		
SAND & GRAVEL	170-185'		
GREY SAND-CLAY-GRAVEL	185-191'		
GREY LIMESTONE BEDROCK	191-195'		

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED James Hutchings DATE 11/26/74

White Copy – Ill. Dept. of Public Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, ROOM 616, STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug ____. Bored ____. Hole Diam. 4 in. Depth 174 ft.
   Curb material ____. Buried Slab: Yes ____ No ____
   b. Driven ____. Drive Pipe Diam. ____ in. Depth ____ ft.
   c. Drilled X. Finished in Drift X. In Rock ____.
   Tubular ____. Gravel Packed ____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
MUD SLURRY	0	165

2. Distance to Nearest:
   Building ____ Ft. Seepage Tile Field 75+
   Cess Pool ____ Sewer (non Cast iron) ____
   Privy ____ Sewer (Cast iron) ____
   Septic Tank 50+ Barnyard ____
   Leaching Pit ____ Manure Pile ____
3. Is water from this well to be used for human consumption?
   Yes X No ____
4. Date well completed 7/18/74
5. Permanent Pump Installed? Yes X No ____
   Manufacturer RED JACKET Type Submersible
   Capacity 15 gpm. Depth of setting 63 ft.
6. Well Top Sealed? Yes X No ____
7. Pitless Adaptor Installed? Yes X No ____
8. Well Disinfected? Yes ____ No ____
9. Water Sample Submitted? Yes X No ____

REMARKS:

IDPH 4.065
10/68

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner WEST HAVEN BLDRS Well No. ____
    Address (BOYLE)
    Driller MARTIN, JURS & SON License No. 102-7
11. Permit No. F 19684 Date 6/27/73
12. Water from GRAVEL (Formation)
    at depth 165 to 174 ft.
13. County McHENRY
    Sec. 15 NE
    Twp. 43N
    Rge. 7E
    Elev. 870
14. Screen: Diam. — in.
    Length: — ft. Slot —

SHOW LOCATION IN SECTION PLAT
SW SW NE

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
4"	GALV.		

16. Size Hole below casing: 4 in.
17. Static level 10 ft. below casing top which is 2 ft. above ground level. Pumping level 63 ft. when pumping at 15 gpm for 1 hours.

18. FORMATIONS PASSED THROUGH		THICKNESS	DEPTH OF BOTTOM
BLK LOAM	0-1'		
YEL CLAY	1-2'		
BLUE CLAY	2-5'		
SAND & GRAVEL	5-15'		
BLUE CLAY	15-20'		
SAND & GRAVEL	20-25'		
BROWN CLAY	25-27'		
SAND & GRAVEL	27-32'		
BROWN SAND & CLAY	32-140'		
SAND	140-150'		
BROWN CLAY	150-165'		
GRAVEL	165-174'		

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED James Hutchings DATE 11-26-74

Ill. Dep[t] of Public Health
Yellow Copy: Well Contractor
Golden Copy: Well Owner

Well Construction Report

THIS FORM MUST BE COMPLETED WITHIN 30 DAYS
OF WELL COMPLETION AND SENT TO
THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
525 WEST JEFFERSON STREET
SPRINGFIELD, ILLINOIS 62761

1. Type of Well
   a. Bored____ Hole Diam. 5 in. Depth 182 ft
   Buried Slab: Yes___ No___
   b. Driven____ Drive Pipe Diam. 5 in. Depth 182 ft
   c. Drilled ✓ Finished in Drift____ In Rock ✓
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
Mud	+2	182

2. Well furnishes water for human consumption? Yes ✓ No___
3. Date well drilled 12-19-88
4. Permanent pump installed? Yes ___ Date_____ No___
   Manufacturer_____ Type_____
   Location_____
   Capacity _____gpm. Depth of setting_____ft.
5. Well top sealed? Yes ✓ No___ Type BAKER
6. Pitless adapter installed? Yes___ No___
   Manufacturer_____ Model No._____
   How attached to casing?_____
7. Well disinfected? Yes ✓ No___
8. Pump and equipment disinfected Yes ✓ No___
   Pump By Others!

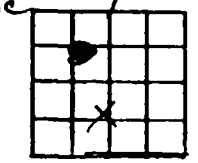
IMPORTANT NOTICE
This State Agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 85-0863. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center.

PRESS FIRMLY WITH BLACK PEN OR TYPE
Do Not Use Felt Pen

IL482-0126

GEOLOGICAL AND WATER SURVEYS WELL RECORD

9. Driller Mark Neely License No. 2441
10. Well Site Address 148 Rt. 47 Huntley
11. Property Owner James Veugeler Well No._____
12. Permit No. 006571 Date Issued 10-7-88
13. Location: County Mc Henry
    Sec. 16 S
    Twp. 43 N
    Rge. 7E



Show location in section plat

SE NE SW

14. Water from Lime at depth 176 ft to 182 ft

15. Casing and Liner Pipe

Diam.(in)	Kind and Weight	From (ft)	To (ft)
5"	SDR-21-200	+2	182
	PVC. CASING		

16. Screen: Diam.___in, Length___in, Slot Size___
17. Size hole below casing 5 in. 18. Ground Elev._____ ft msl.
19. Static level 5 ft below casing top which is +2 ft. above ground level. Pumping level 80 ft, pumping gpm for 2 hours.

20. Earth Materials Passed Through	Depth of Top	Depth of Bottom
Top Soil	2	2
Brown Clay	22	24
Fine Gravel	6	30
Brown Clay	140	170
Gravel	6	176
Green Lime -	6	182

Continue on separate sheet if necessary.

Signed Donna Jo Neely Date 3-2-89

—opy—
...l. Dept. of Public Health
Yellow Copy — Well Contractor
Blue Copy — Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug____. Bored____. Hole Diam. 5 in. Depth 215 ft.
   Curb material _____. Buried Slab: Yes____ No____
   b. Driven _____. Drive Pipe Diam. ____in. Depth ____ft.
   c. Drilled X. Finished in Drift _____. In Rock X.
   Tubular _____. Gravel Packed _____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
Cuttings	9	206

2. Distance to Nearest:
   Building 20 Ft. — Seepage Tile Field _____
   Cess Pool _____ — Sewer (non Cast iron) _____
   Privy _____ — Sewer (Cast iron) _____
   Septic Tank 75 — Barnyard _____
   Leaching Pit _____ — Manure Pile _____
3. Well furnishes water for human consumption? Yes X No____
4. Date well completed 6/8/84
5. Permanent Pump Installed? Yes X Date 6/8/84 No____
   Manufacturer Red Jacket Type Subm Location In well
   Capacity 15 gpm. Depth of Setting 120 Ft.
6. Well Top Sealed? Yes X No____ Type Williams Cap
7. Pitless Adapter Installed? Yes X No____
   Manufacturer Williams Model Number B50AC
   How attached to casing? Locknut
8. Well Disinfected? Yes X No____
9. Pump and Equipment Disinfected? Yes X No____
10. Pressure Tank Size____gal. Type None
    Location _____
11. Water Sample Submitted? Yes____ No X

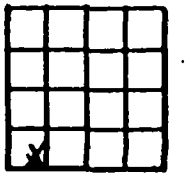
REMARKS:
Owner instructed to take sample.

Hooked system to existing tank.

IDPH 4.065
1/74 — KNB-1
(59671—12½M Sets—6-74)

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Charles Ernesti Well No. _____
    Address Ernesti Road Huntley
    Driller Marvin Nice License No. 102 00458
11. Permit No. 112713 Date 6/4/84
12. Water from Limestone (Formation) 13. County McHenry
    at depth 206 to 215 ft. Sec. 17.7a
14. Screen: Diam. _____in. Twp. 43N
    Length: ____ft. Slot _____ Rge. 7E
    Elev. _____



SHOW LOCATION IN SECTION PLAT
SE SW SW

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5"	Black Steel	0	206
	15 lbs per ft		

16. Size Hole below casing: 5 in.
17. Static level 45 ft. below casing top which is 1 ft. above ground level. Pumping level 45 ft. when pumping at 10 gpm for 4 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
SuRface & ~~Clay~~ Clay	80	80
Sand & Gravel	40	120
Clay	86	206
Limestone	9	215

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED _____ DATE 1/21/85

White Copy – Ill. Dept. of Public Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUIRED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug____. Bored____. Hole Diam. 5 in. Depth 220 ft.
   Curb material _____. Buried Slab: Yes_____ No_____
   b. Driven _____. Drive Pipe Diam. _____ in. Depth _____ ft.
   c. Drilled xx. Finished in Drift _____. In Rock _____.
   Tubular _____. Gravel Packed _____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

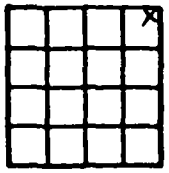
2. Distance to Nearest:
   Building _____ Ft. Seepage Tile Field _____
   Cess Pool _____ Sewer (non Cast iron) _____
   Privy _____ Sewer (Cast iron) _____
   Septic Tank _____ Barnyard _____
   Leaching Pit _____ Manure Pile _____
3. Well furnishes water for human consumption? Yes xx No_____
4. Date well completed 12/11/75
5. Permanent Pump Installed? Yes xx Date _____ No_____
   Manufacturer Aermotor Type sub Location _____
   Capacity 10 gpm. Depth of Setting 160 Ft.
6. Well Top Sealed? Yes xx No_____ Type Water tight
7. Pitless Adapter Installed? Yes xx No_____
   Manufacturer Bleaer Model Number Snappy
   How attached to casing? Compression
8. Well Disinfected? Yes xx No_____
9. Pump and Equipment Disinfected? Yes xx No_____
10. Pressure Tank Size 80 gal. Type possi-pressure
    Location _____
11. Water Sample Submitted? Yes_____ No xx

REMARKS:

IDPH 4.065
1/74 – KNB-1

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner John Riedle Well No. _____
    Address 824 Augusta Ave. Elgin, Ill. 60120
    Driller Boetsch Water Supply License No. 92-436
11. Permit No. 40516 Date 8/26/75
12. Water from Limestone (Formation) 13. County McHenry
    at depth 202 to 220 ft.
14. Screen: Diam. _____ in.
    Length: _____ ft. Slot _____
    Sec. 19 1/4
    Twp. 43N
    Rge. 7E
    Elev. _____



SHOW LOCATION IN SECTION PLAT
NE NE NE

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5	PVC	1	202

16. Size Hole below casing: 5 in.
17. Static level 80 ft. below casing top which is 1 ft. above ground level. Pumping level 120 ft. when pumping at 8 gpm for 2 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Top Soil	1	1
Brown c lay	15	16
Pink clay and gravel	64	80
Streaks varying from 2-4' in thickness		
Pink stoney cxxx clay	100	180
Shell rock and shale	22	202
Bl. white Limestone	18	220

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Leonard Boetsch DATE 9/3/76

White Copy – Ill. Dept. of Public Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug____. Bored____. Hole Diam. 5 in. Depth 235 ft.
   Curb material _____. Buried Slab: Yes_____ No_____
   b. Driven _____. Drive Pipe Diam. _____ in. Depth _____ ft.
   c. Drilled xx. Finished in Drift _____. In Rock _____.
   Tubular _____. Gravel Packed _____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

2. Distance to Nearest:
   Building _____ Ft. — Seepage Tile Field _____
   Cess Pool _____ — Sewer (non Cast iron) _____
   Privy _____ — Sewer (Cast iron) _____
   Septic Tank _____ — Barnyard _____
   Leaching Pit _____ — Manure Pile _____
3. Well furnishes water for human consumption? Yes x No_____
4. Date well completed 3/30/77
5. Permanent Pump Installed? Yes x Date _____ No_____
   Manufacturer Baker-monitor Type Aermotor sub. Location _____
   Capacity 10 gpm. Depth of Setting 80 Ft.
6. Well Top Sealed? Yes x No_____ Type watertite
7. Pitless Adapter Installed? Yes x No_____
   Manufacturer Baker-monitor Model Number snappy
   How attached to casing? compression
8. Well Disinfected? Yes x No_____
9. Pump and Equipment Disinfected? Yes x No_____
10. Pressure Tank Size 60 gal. Type Medalist
    Location _____
11. Water Sample Submitted? Yes_____ No x

REMARKS:

IDPH 4.065
1/74 – KNB-1

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Marvin Moody Well No. _____
    Address 110 Park Blvd. Streamwood, Ill.
    Driller William M. Boetsch License No. 92-436
11. Permit No. 49285 Date 7/8/76
12. Water from Limestone (Formation)
    at depth 226 to 235 ft.
13. County McHenry
    Sec. 19-16
    Twp. 43N
    Rge. 7E
    Elev. _____

SHOW LOCATION IN SECTION PLAT
NE SE SE

14. Screen: Diam. _____ in.
    Length: _____ ft. Slot _____

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5	PVC	1	216

16. Size Hole below casing: 5 in.
17. Static level 60 ft. below casing top which is 1 ft. above ground level. Pumping level 70 ft. when pumping at 8 gpm for 2 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Top soil	2	2
Brown clay	8	10
Bray clay	20	30
Pink clay	30	60
Stoney clay	50	110
Pink shale	40	150
Broken limestone and shale	66	216
Limestone and water	10	226
Limestone, water, and shale	9	235

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED William Boetsch DATE 4/5/77

White Copy – Ill. Dept. of Public Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

INSTRUCTIONS TO DRILLER

FILL IN ALL PERTINENT INFORMATION REQUES..D AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug ____. Bored x. Hole Diam. 7-7/8. Depth 168 ft.
   Curb material ____. Buried Slab: Yes ____ No ____
   b. Driven ____. Drive Pipe Diam. 5 in. Depth 168 ft.
   c. Drilled x. Finished in Drift x. In Rock ____.
   Tubular ____. Gravel Packed ____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
Drilling Mud	0	160

2. Distance to Nearest:
   Building 15 Ft. — Seepage Tile Field 75
   Cess Pool ____ — Sewer (non Cast iron) ____
   Privy ____ — Sewer (Cast iron) ____
   Septic Tank 75 — Barnyard ____
   Leaching Pit ____ — Manure Pile ____
3. Well furnishes water for human consumption? Yes x No ____
4. Date well completed 5/30/79
5. Permanent Pump Installed? Yes x Date 8/17/79 No ____
   Manufacture Red Jacket Type sub Location ----
   Capacity 15 gpm. Depth of Setting 50 Ft.
6. Well Top Sealed? Yes x No ____ Type ____
7. Pitless Adapter Installed? Yes x No ____
   Manufacturer Monitor Model Number Snappy
   How attached to casing? u clamp
8. Well Disinfected? Yes x No ____
9. Pump and Equipment Disinfected? Yes x No ____
10. Pressure Tank Size 202 gal. Type Well-x-trol
    Location ____
11. Water Sample Submitted? Yes ____ No x

REMARKS:

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner John J. Fettes Well No. ____
    Address Coyne Station Rd, Huntley
    Driller William Huemann License No. 102-142
11. Permit No. 79591 Date 9/19/78
12. Water from Gravel (Formation) 13. County McHenry
    at depth 160 to 168 ft.
14. Screen: Diam. 5 in.
    Length: 4 ft. Slot 30
    Sec. 19 2b
    Twp. 43N
    Rge. 7E
    Elev. ____

SHOW LOCATION IN SECTION PLAT
NW SE SE

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5	200 lb PVC	0	164

16. Size Hole below casing: 7-7/8 in.
17. Static level 28 ft. below casing top which is 2 ft. above ground level. Pumping level 30 ft. when pumping at 35 gpm for 4 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Clay & Gravel	20	20
Clay	140	160
Gravel	8	168

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED William F Huemann DATE 5-24-79

IDPH 4.065
1/74 – KNB-1